

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

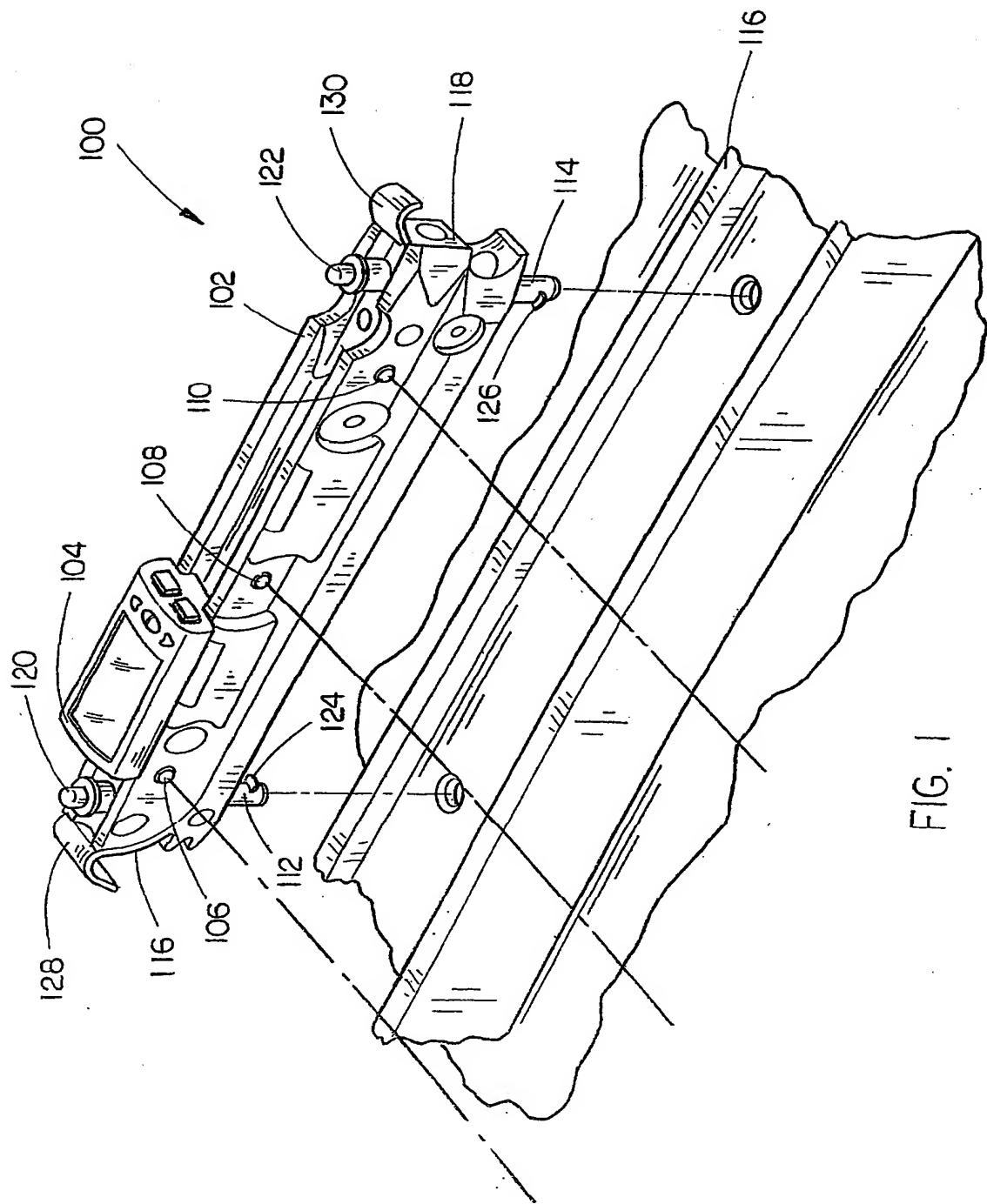


FIG. 1

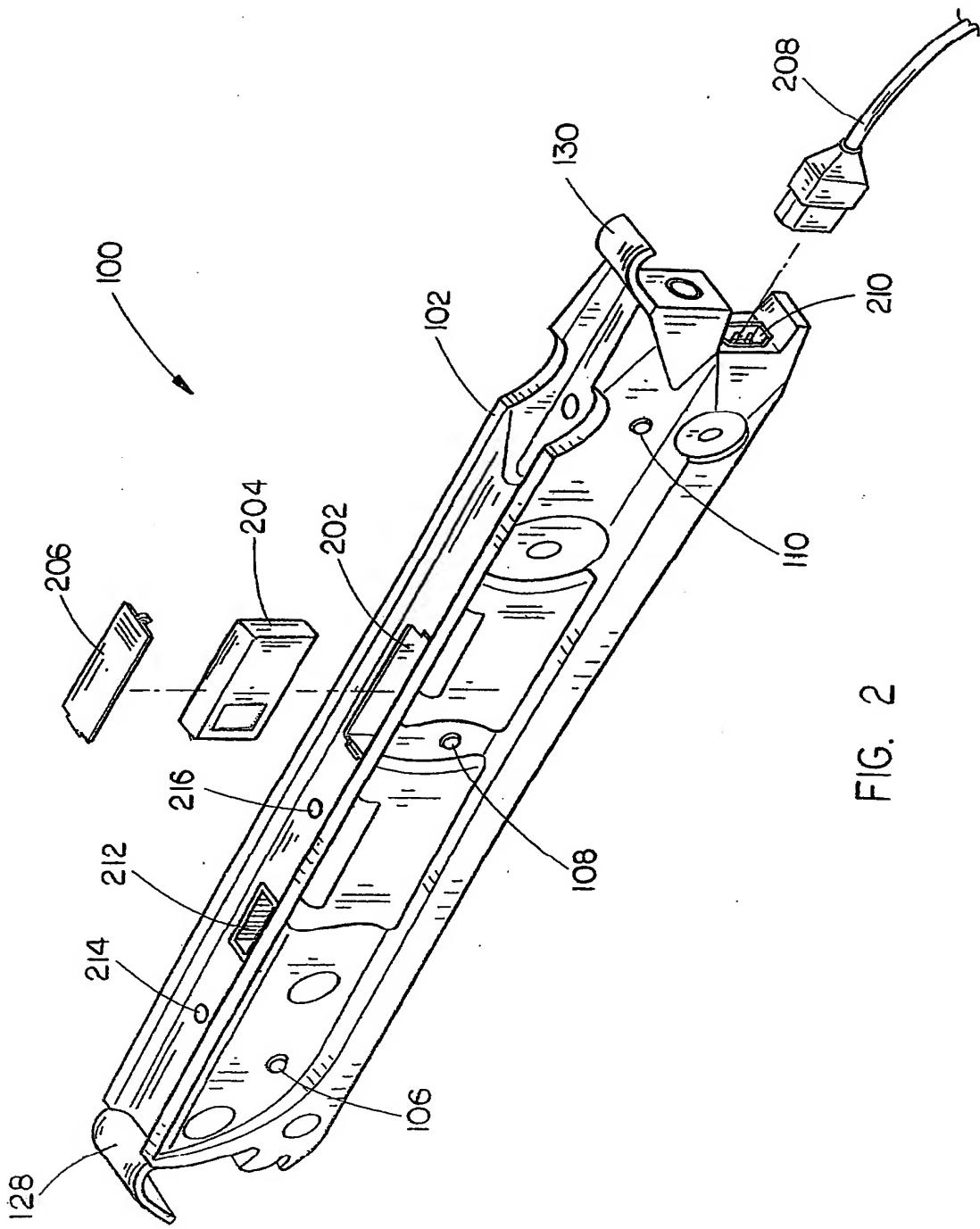
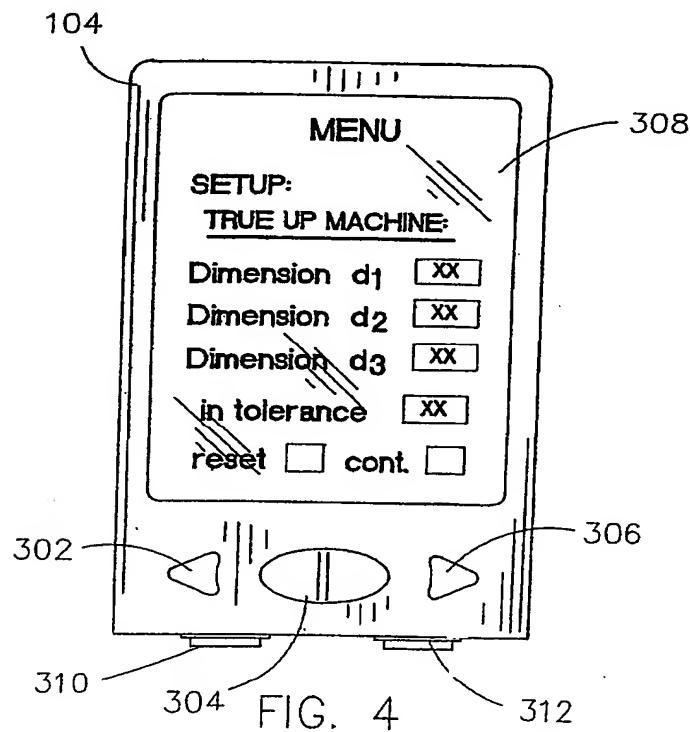
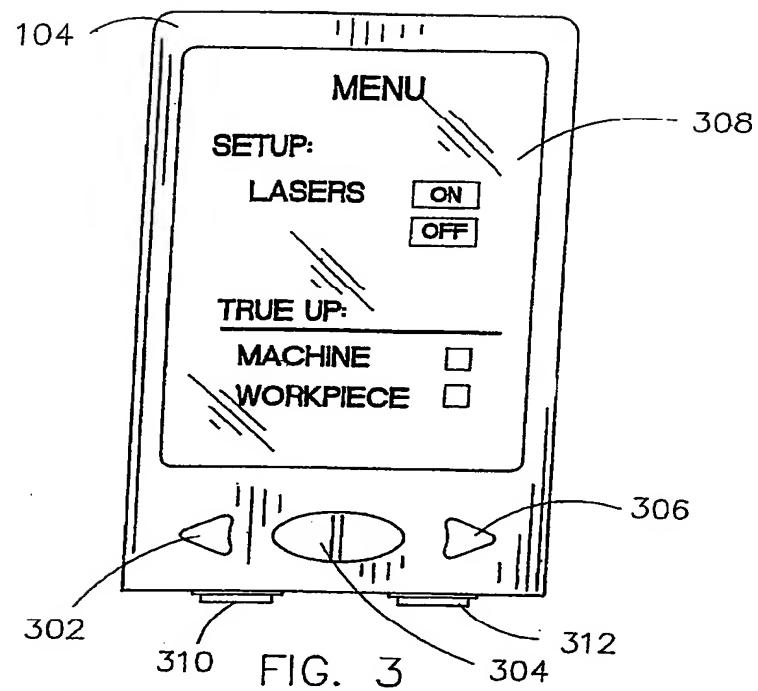


FIG. 2



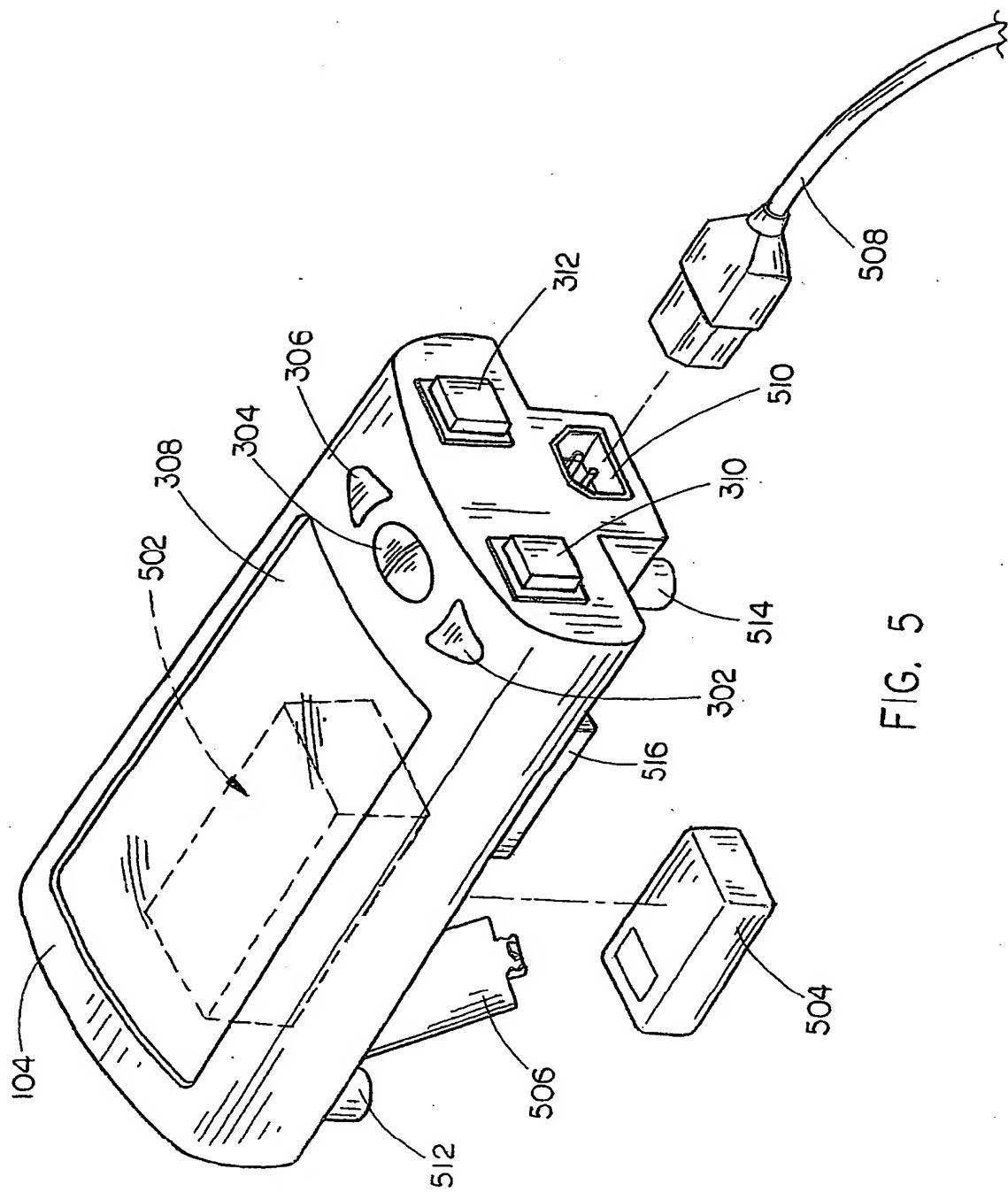


FIG. 5

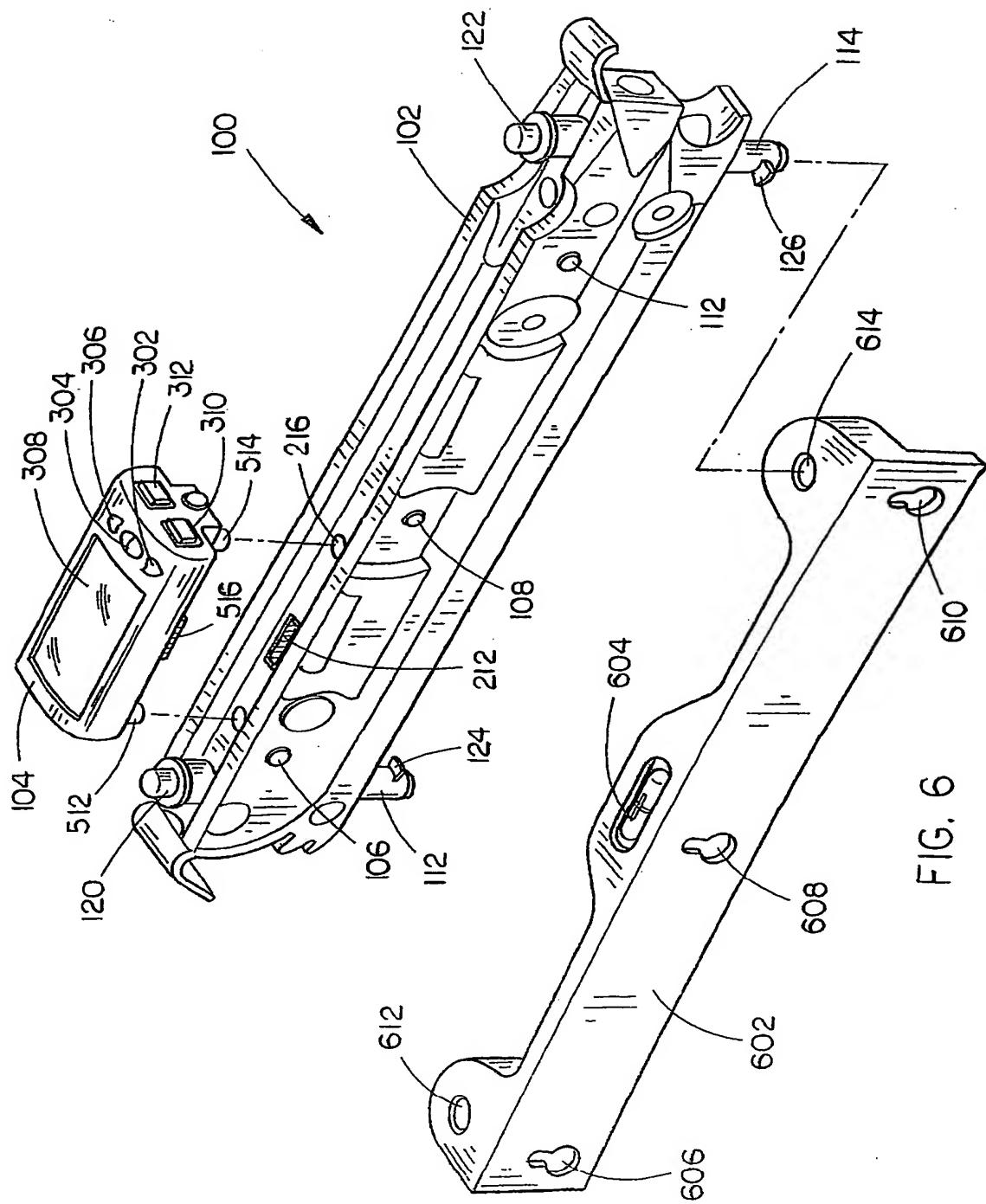


FIG. 6

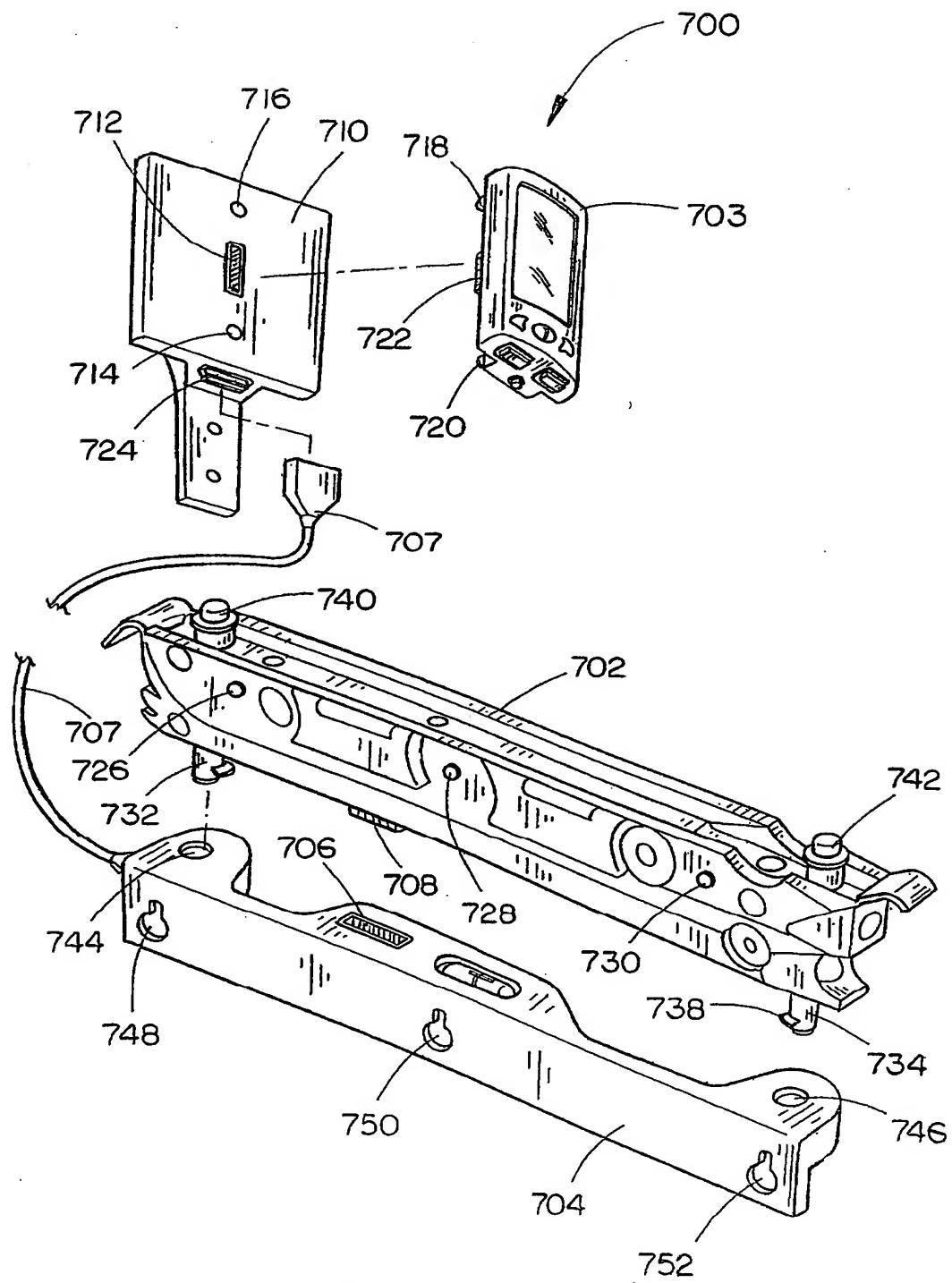


FIG. 7

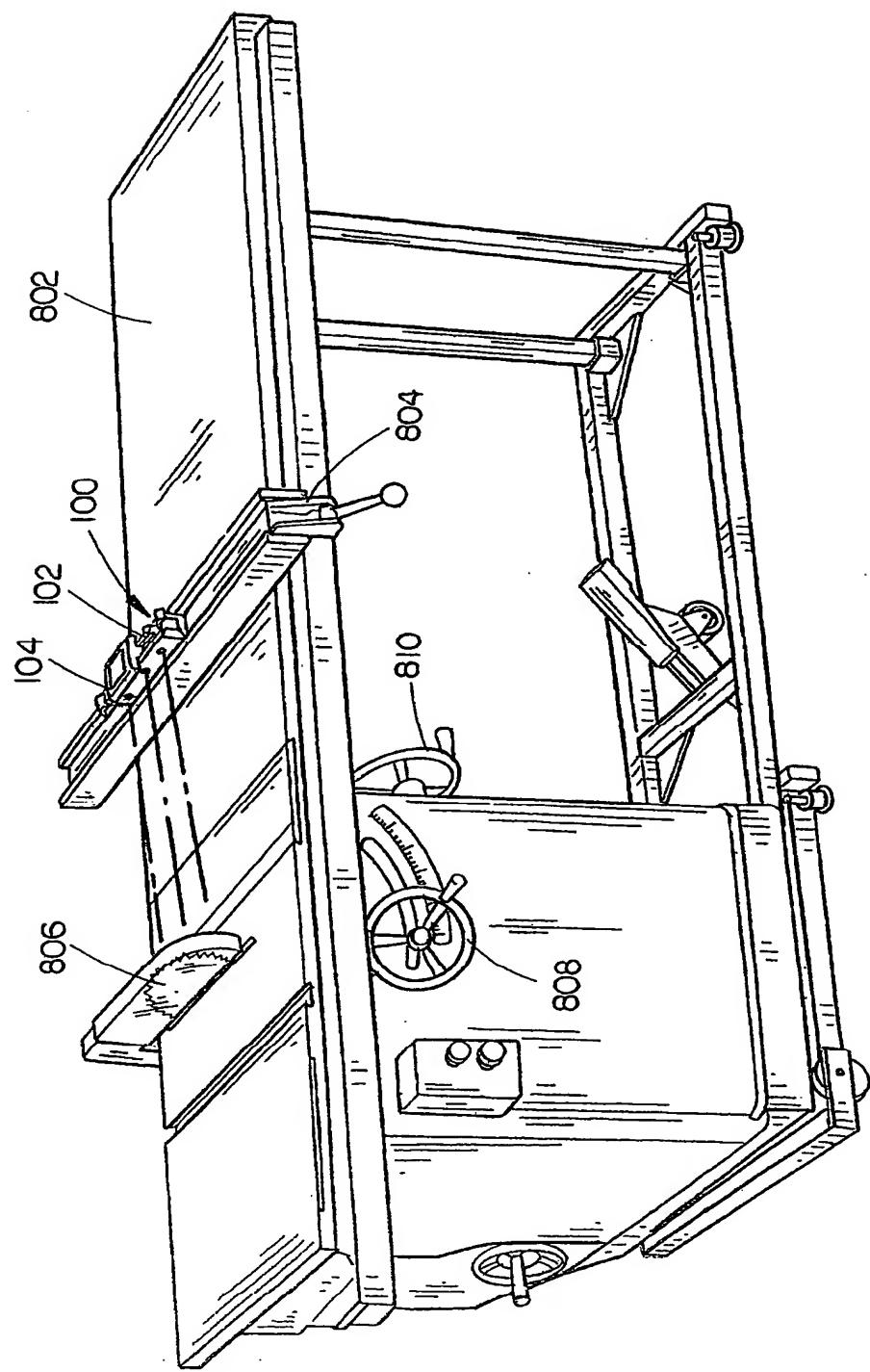
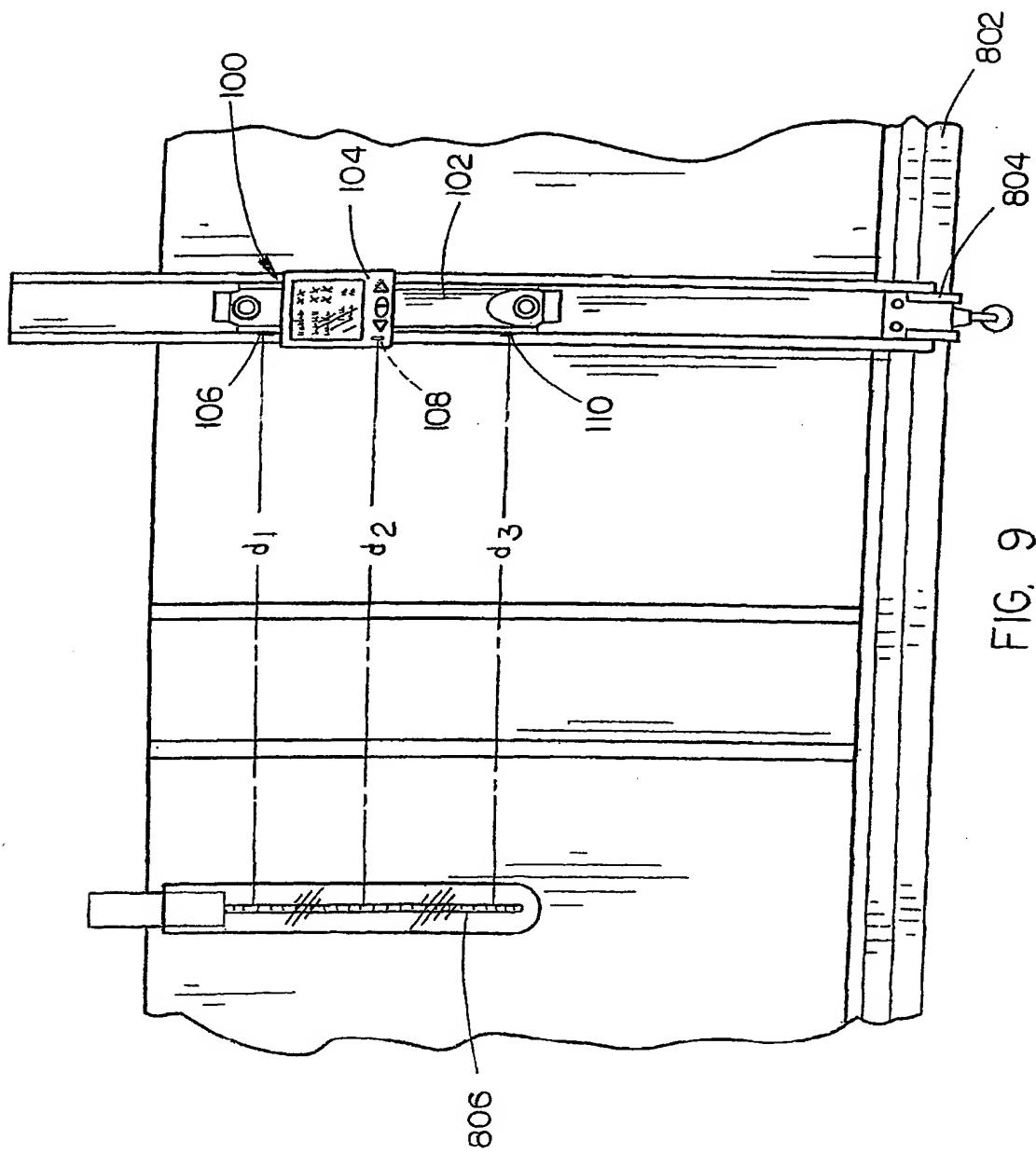


FIG. 8



6
四

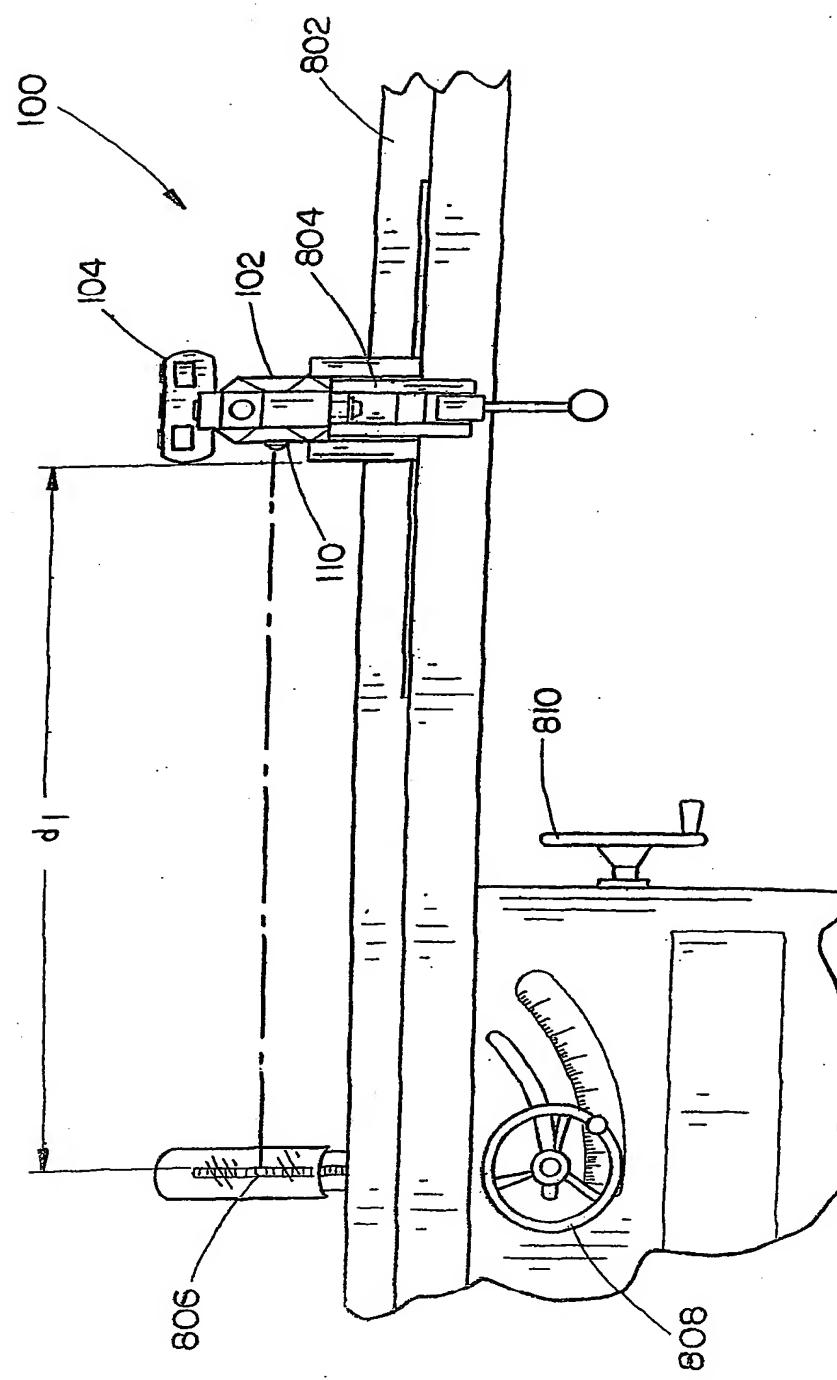


FIG. 10A

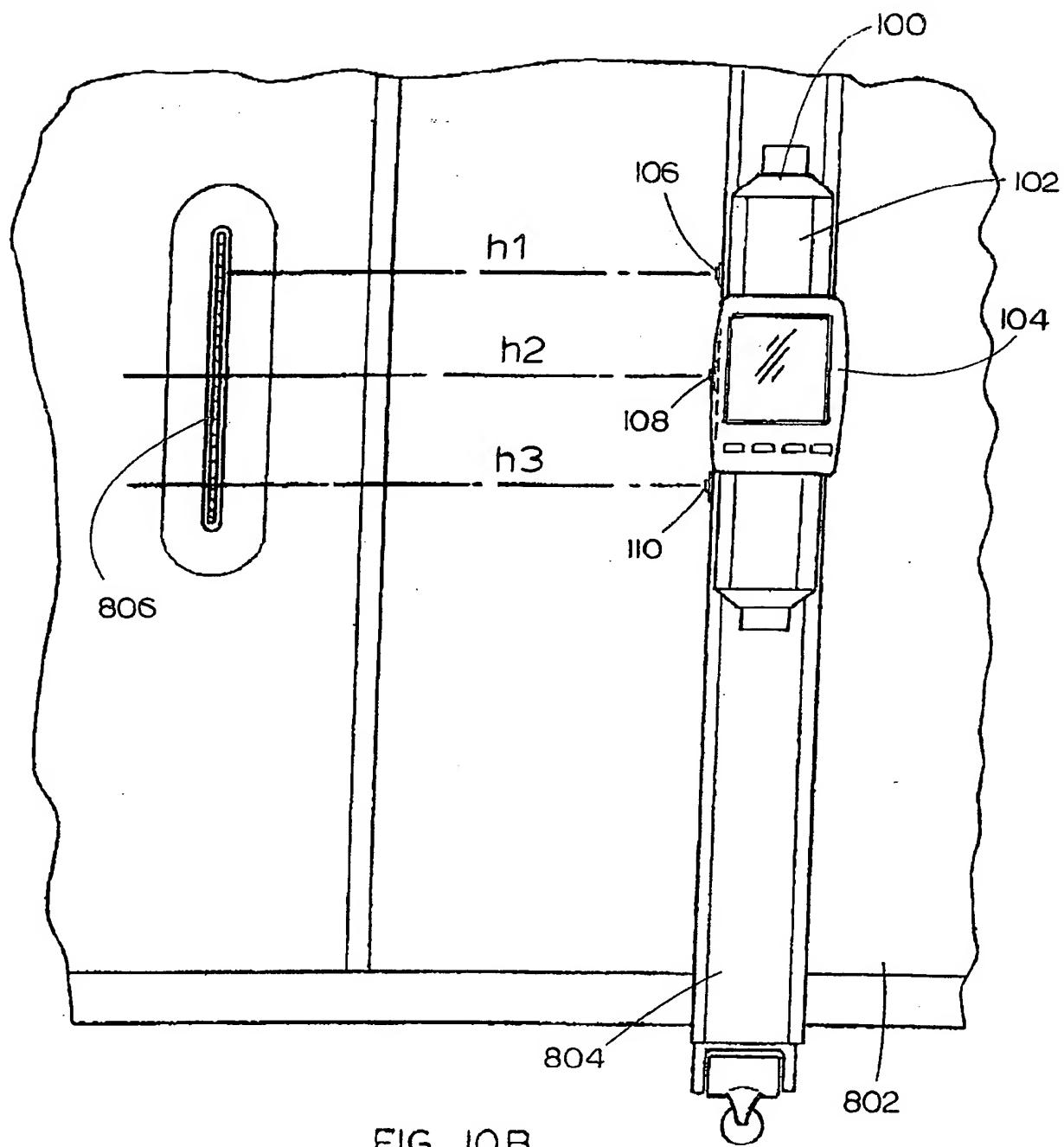


FIG. 10B

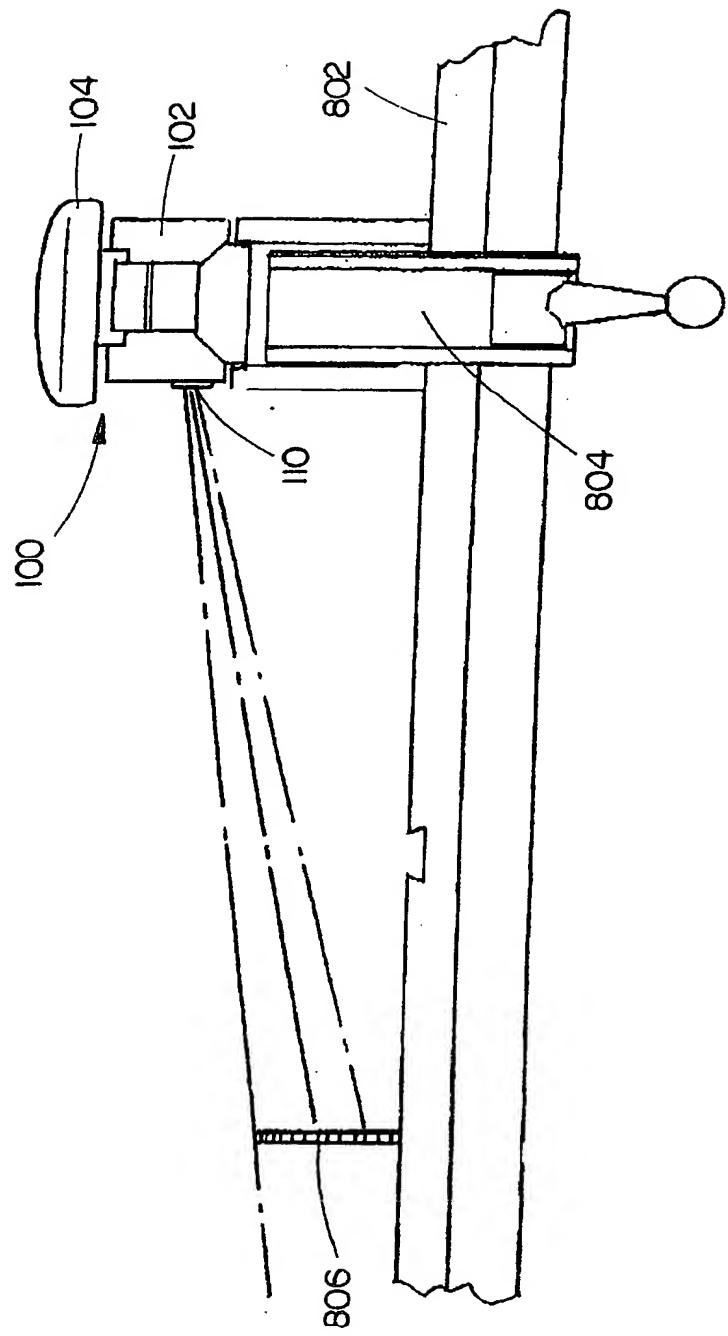


FIG. 10C

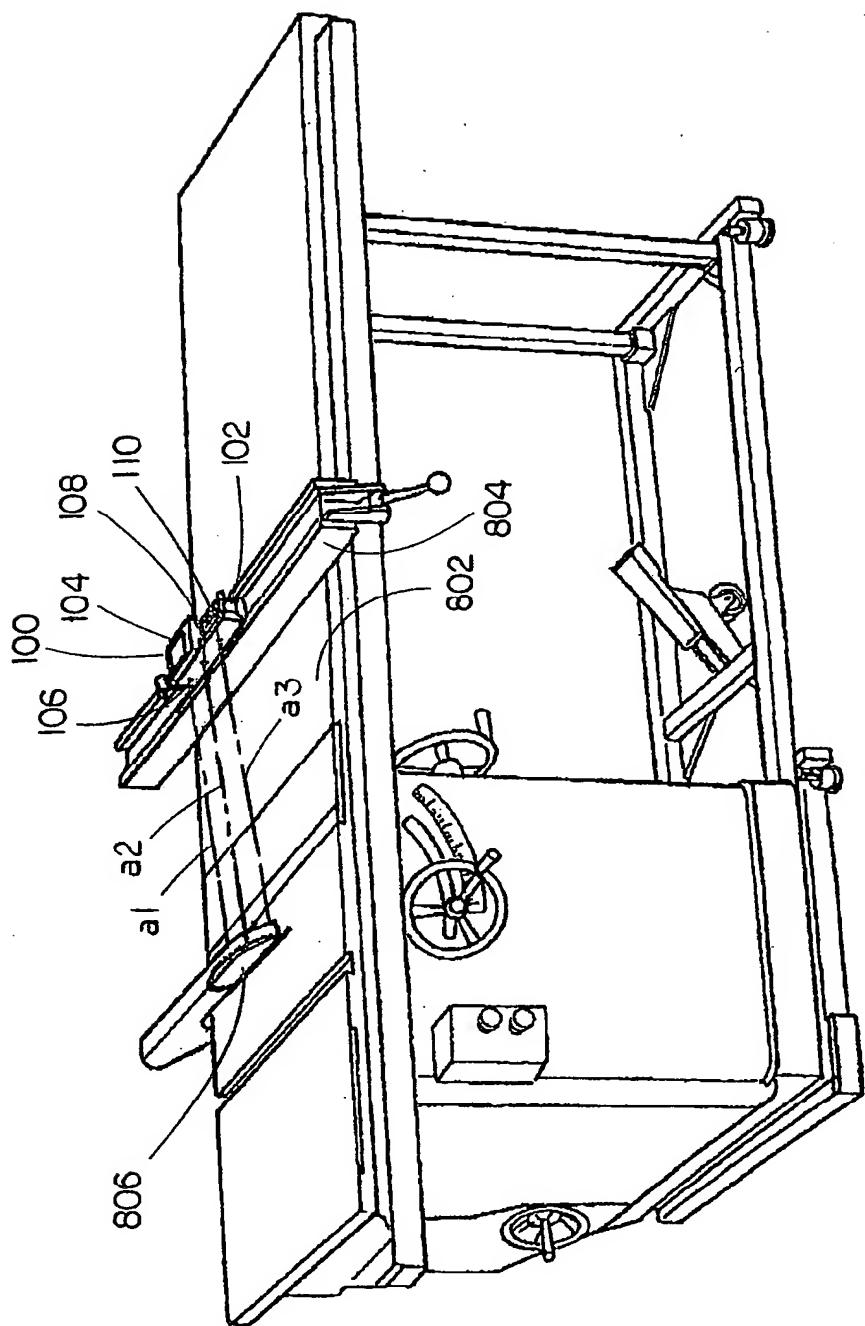


FIG. IIIA

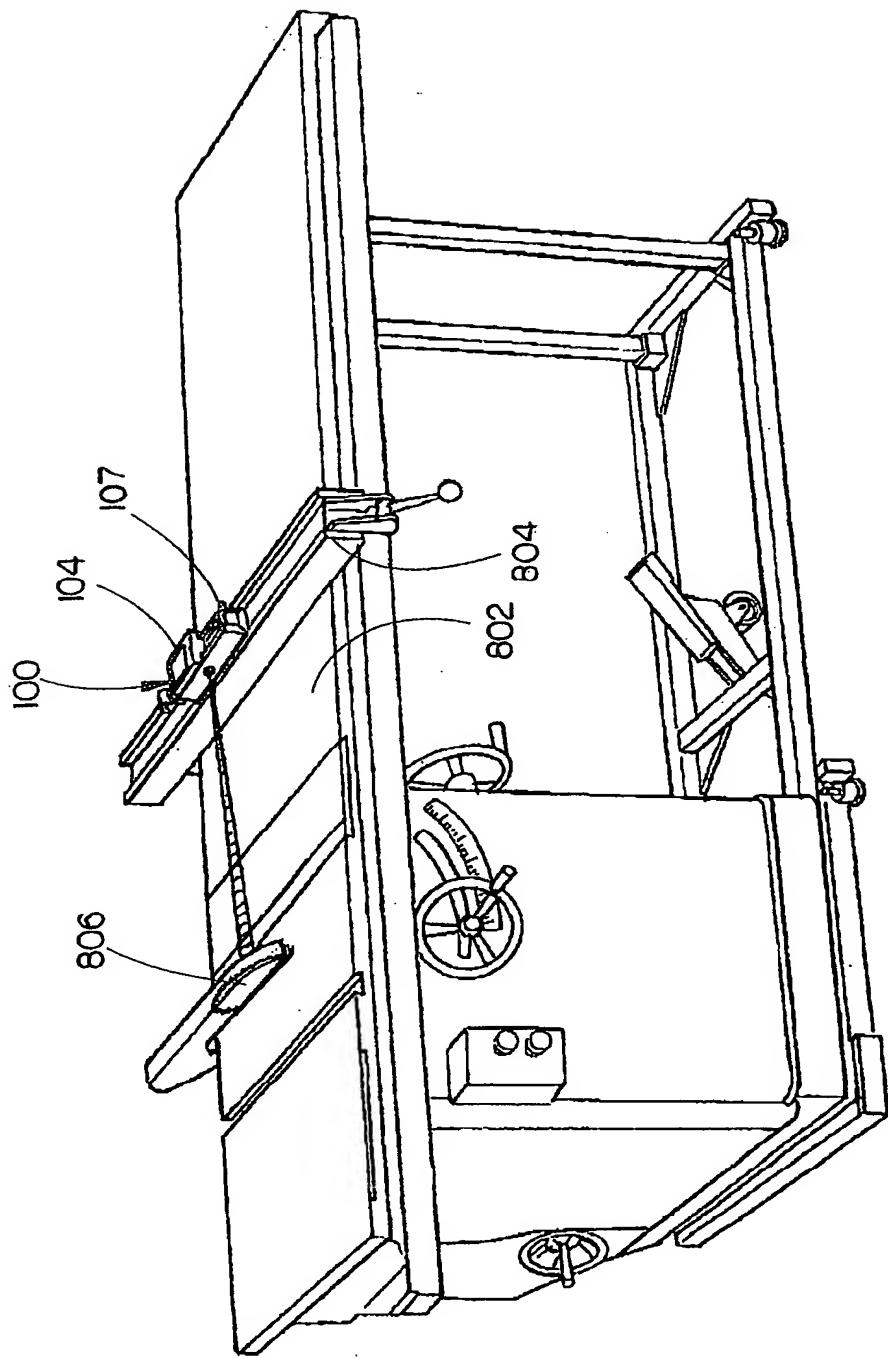


FIG. II B

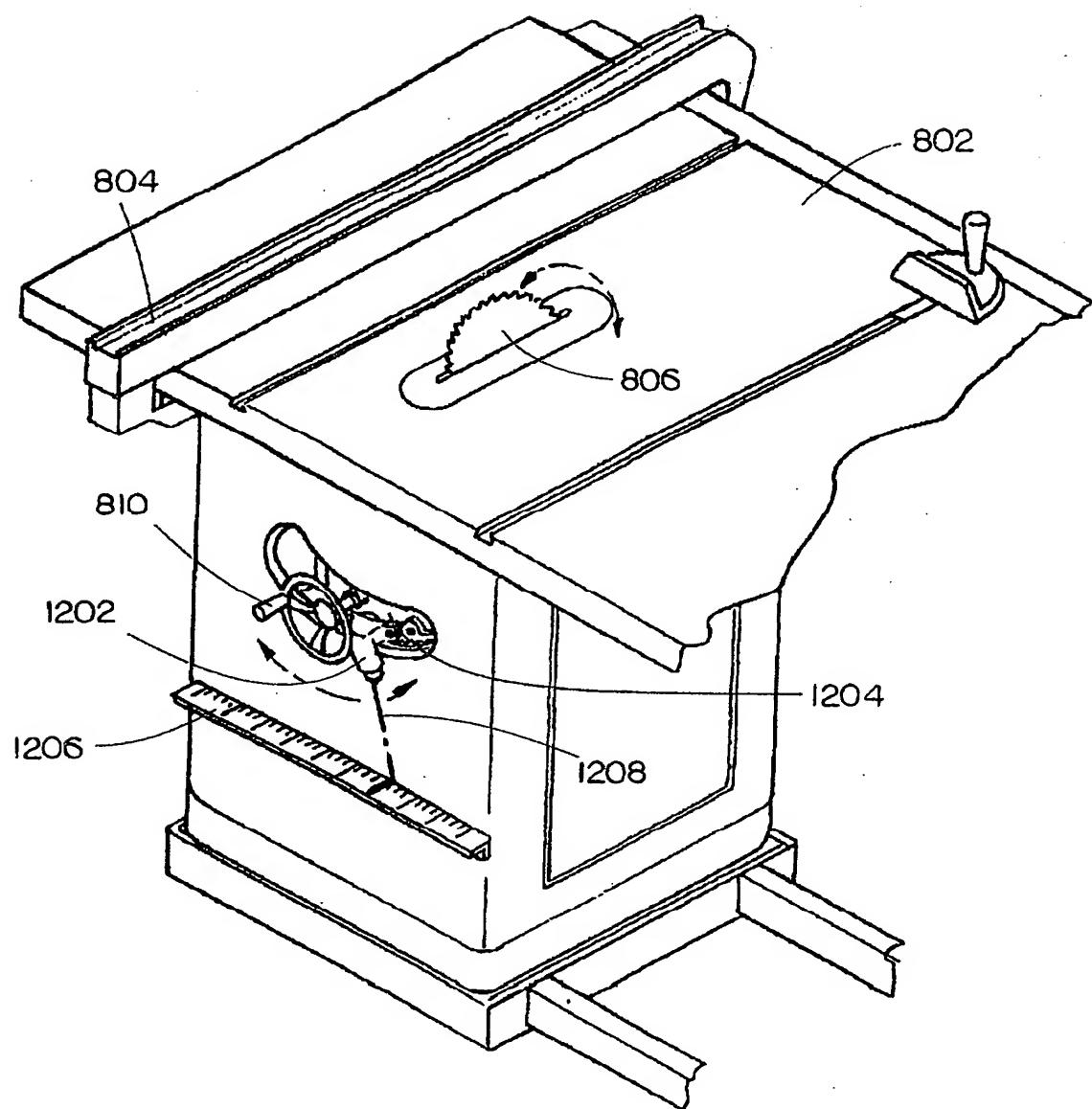


FIG. 12 A

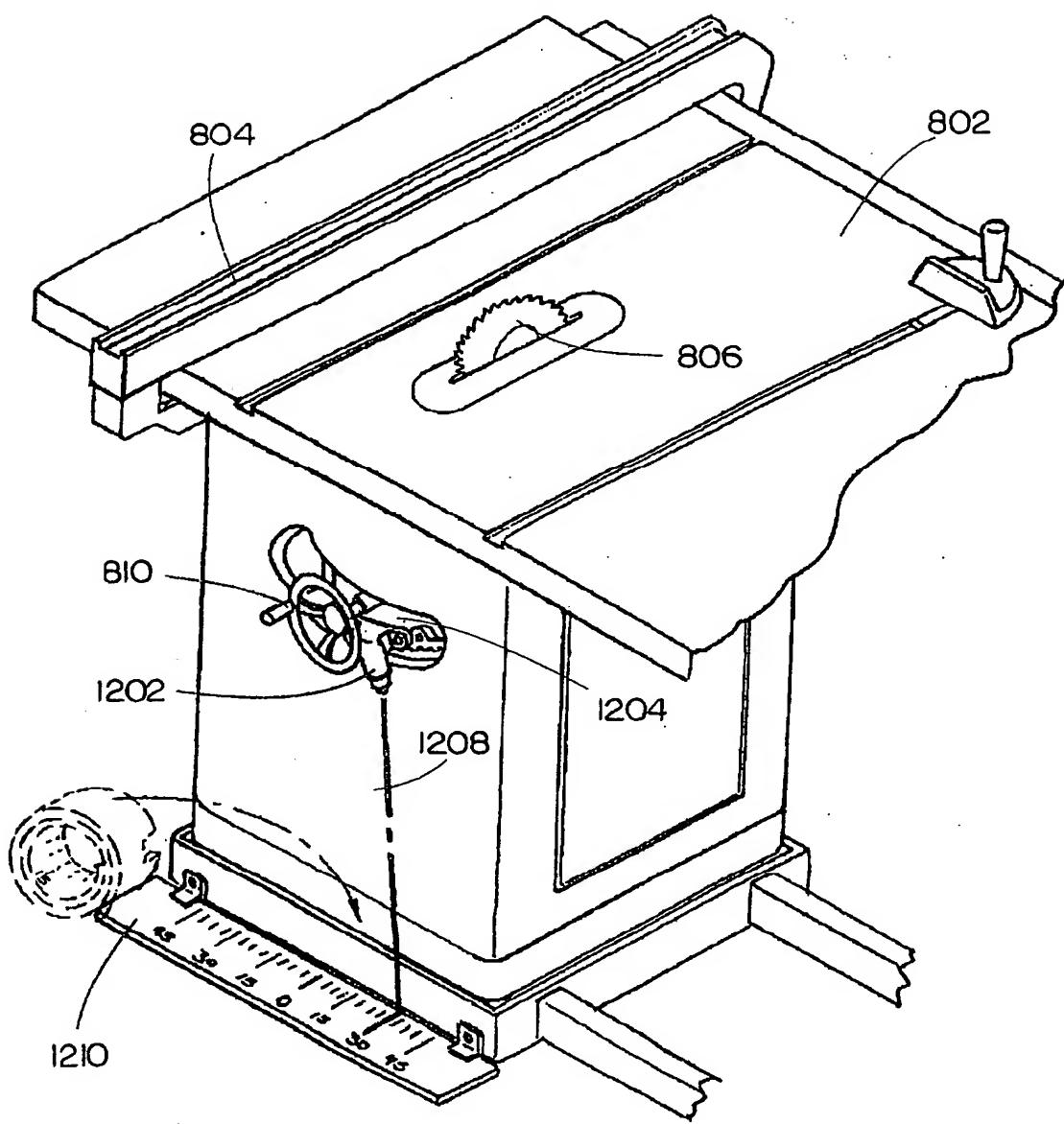


FIG 12 B

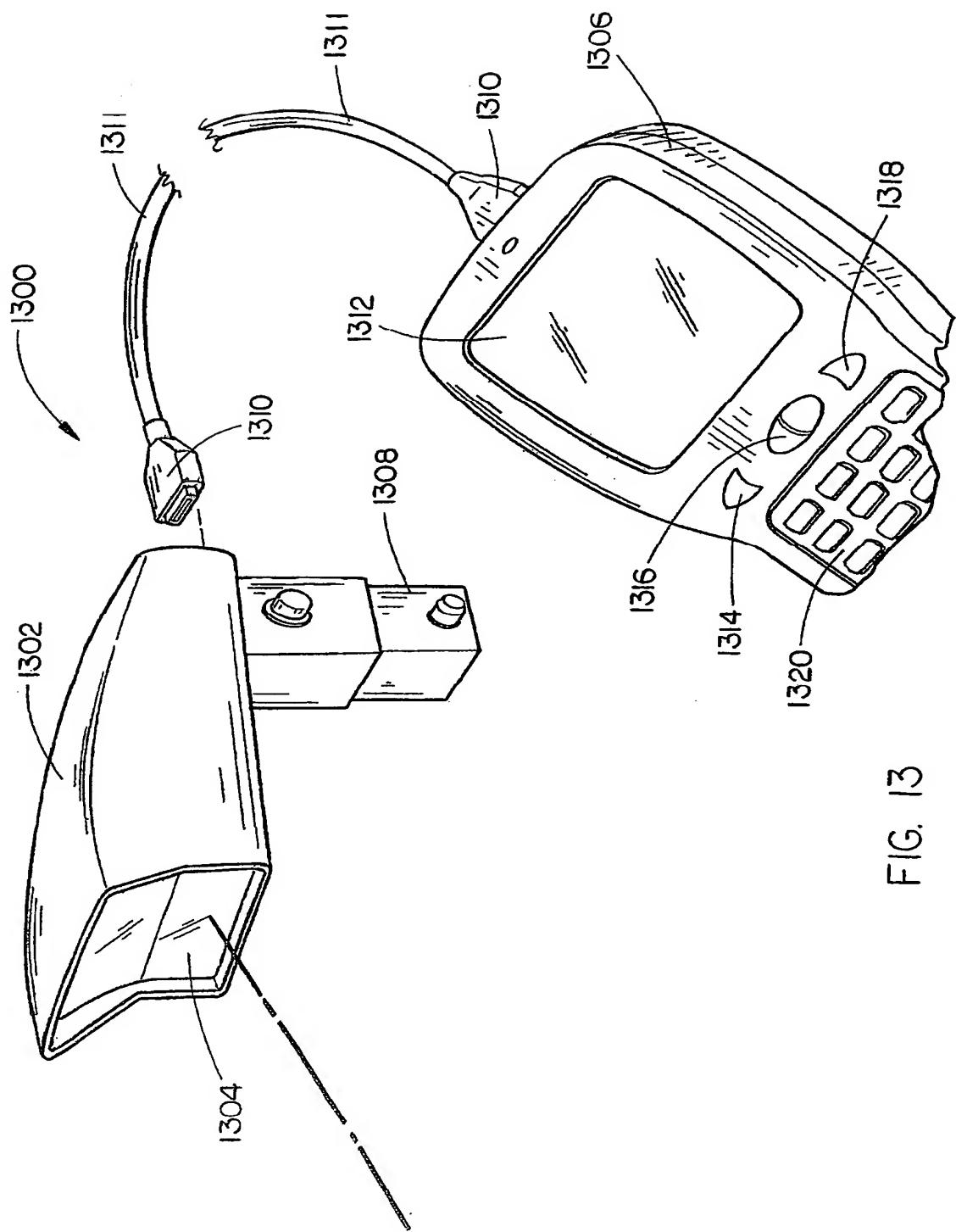


FIG. 13

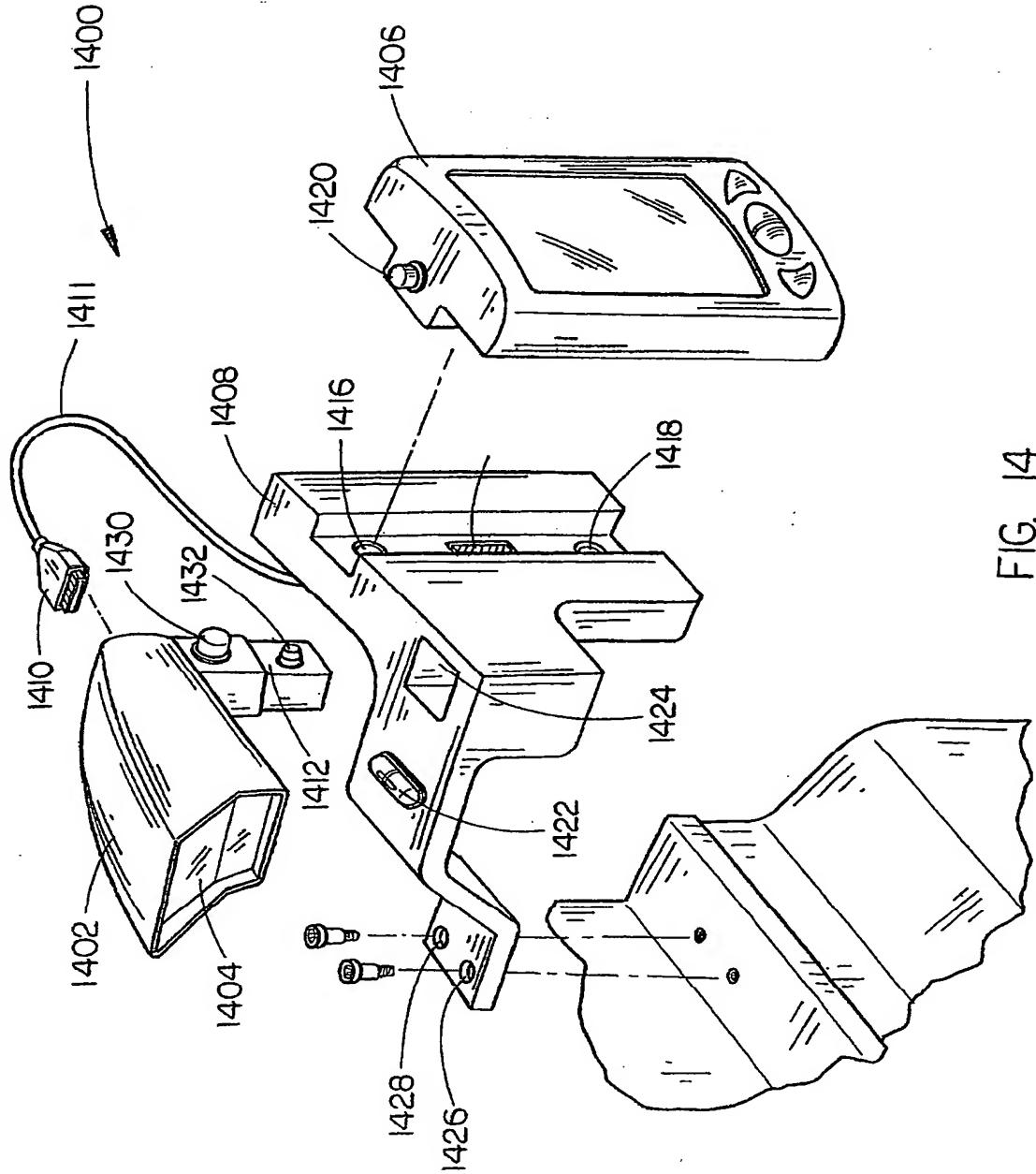


FIG. 14

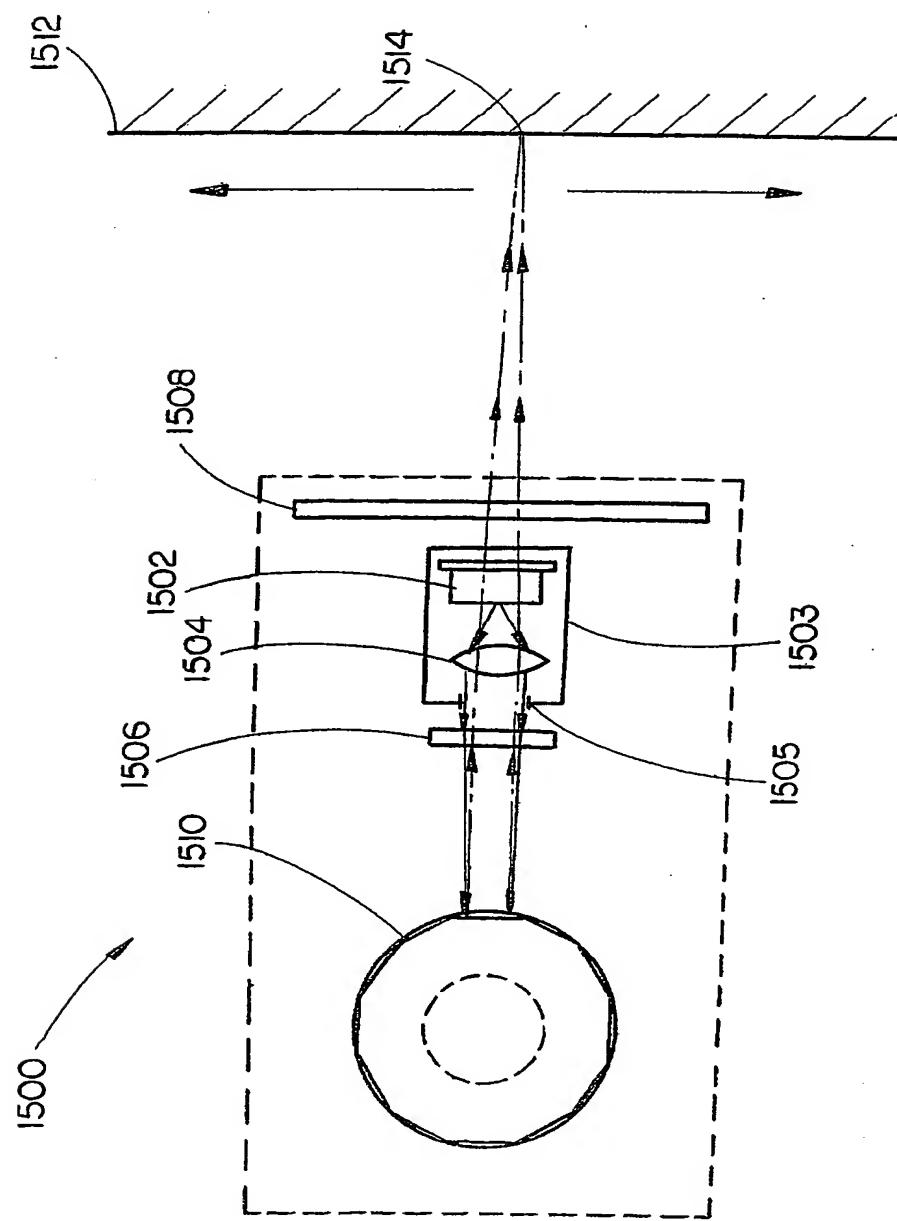
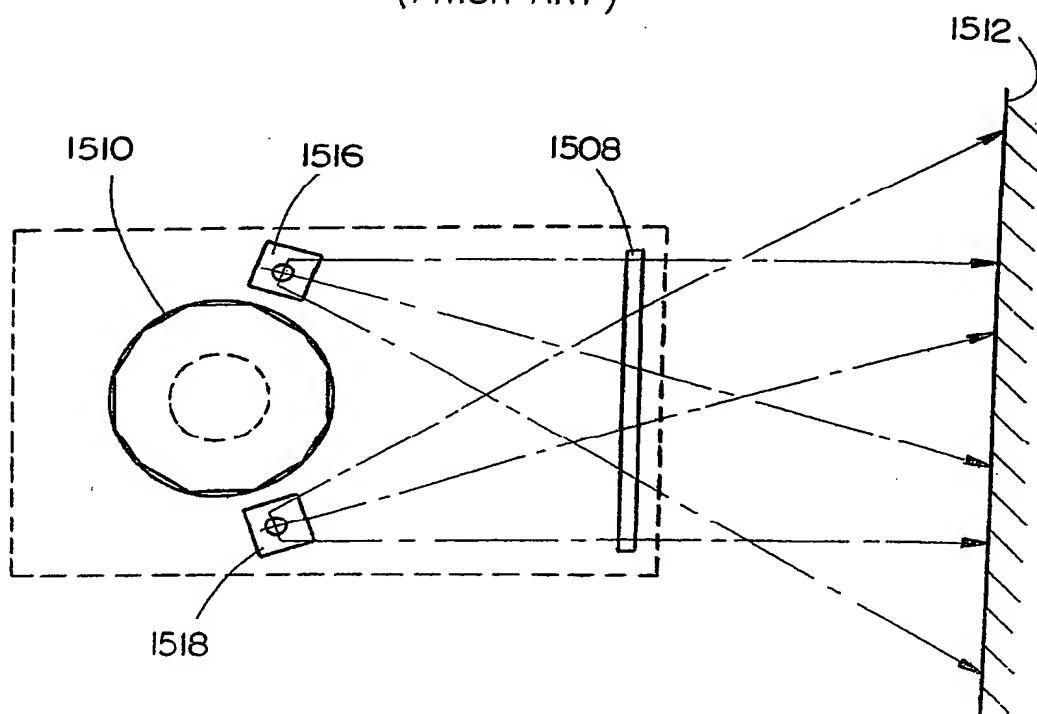
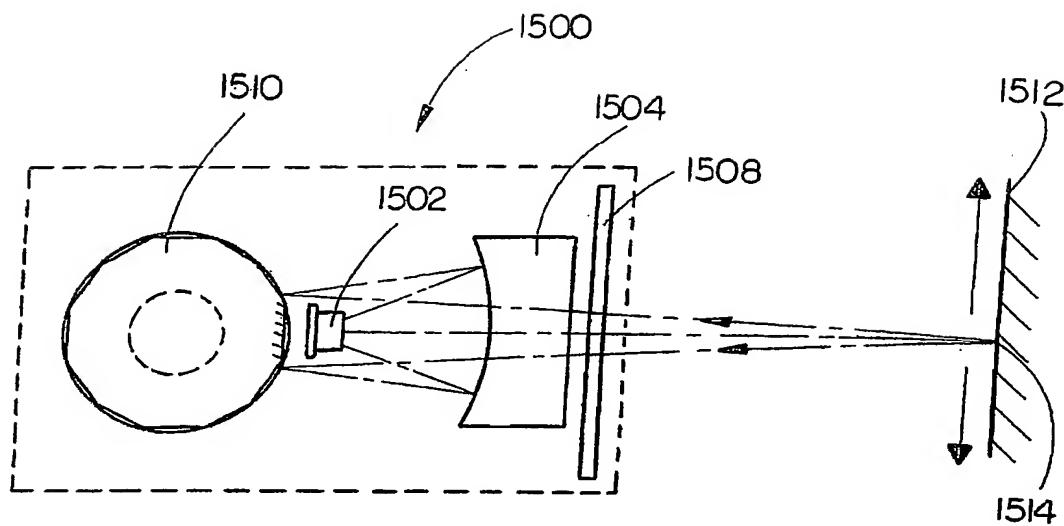


FIG 15A
(PRIOR ART)



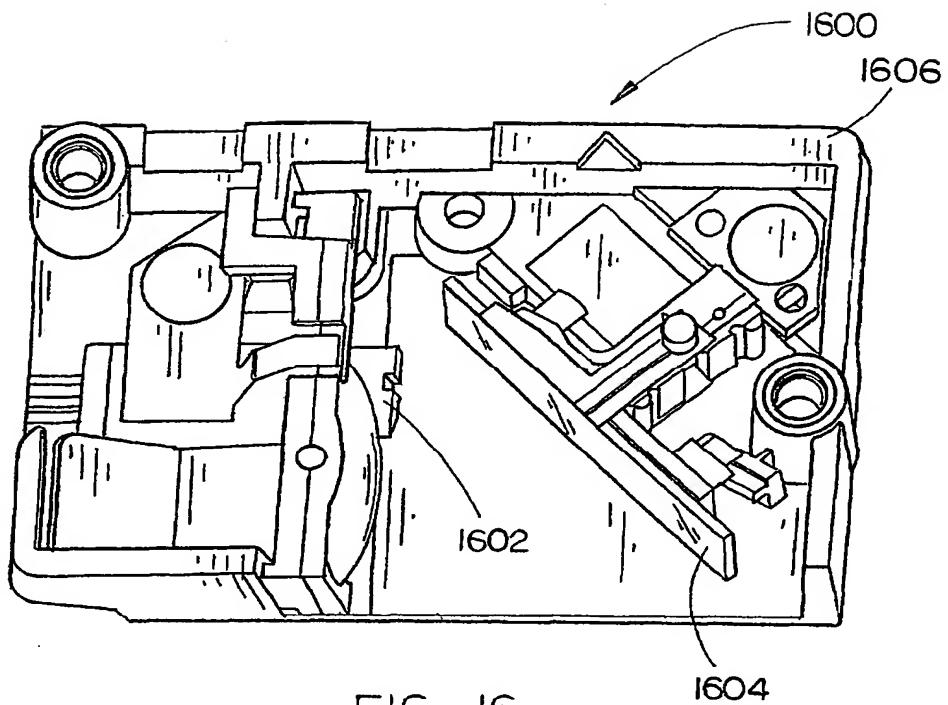


FIG. 16
(PRIOR ART)

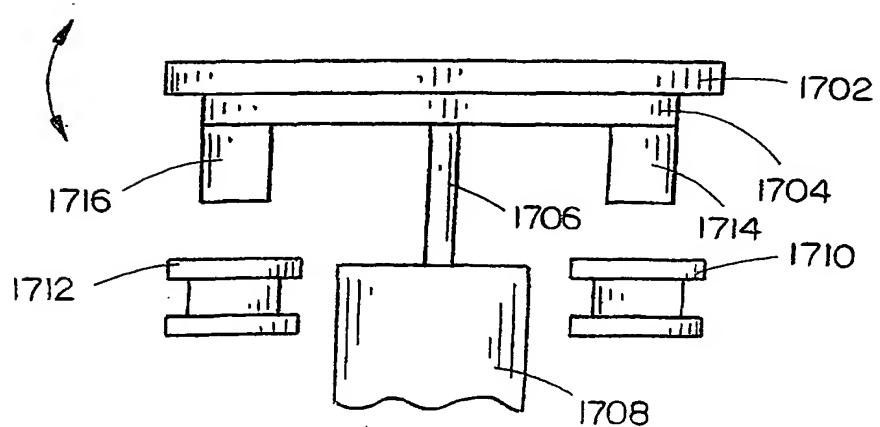


FIG. 17
(PRIOR ART)

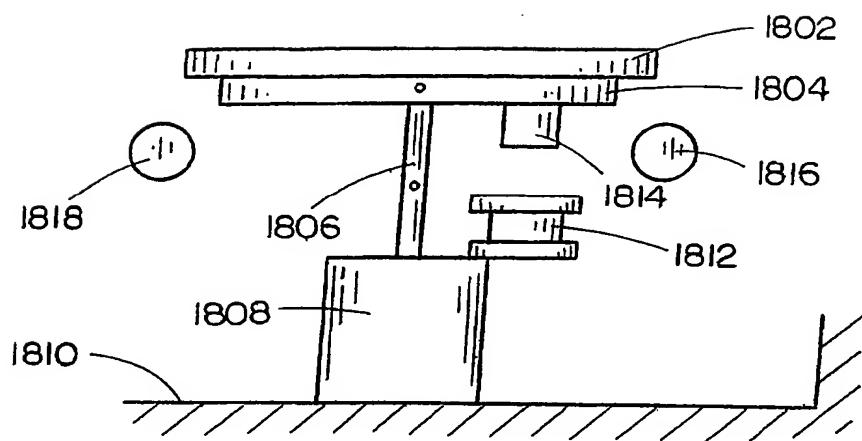


FIG. 18
(PRIOR ART)

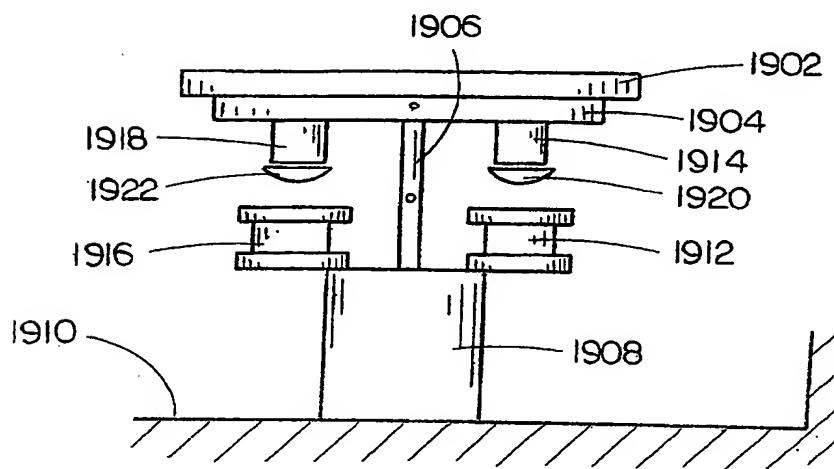


FIG. 19
(PRIOR ART)

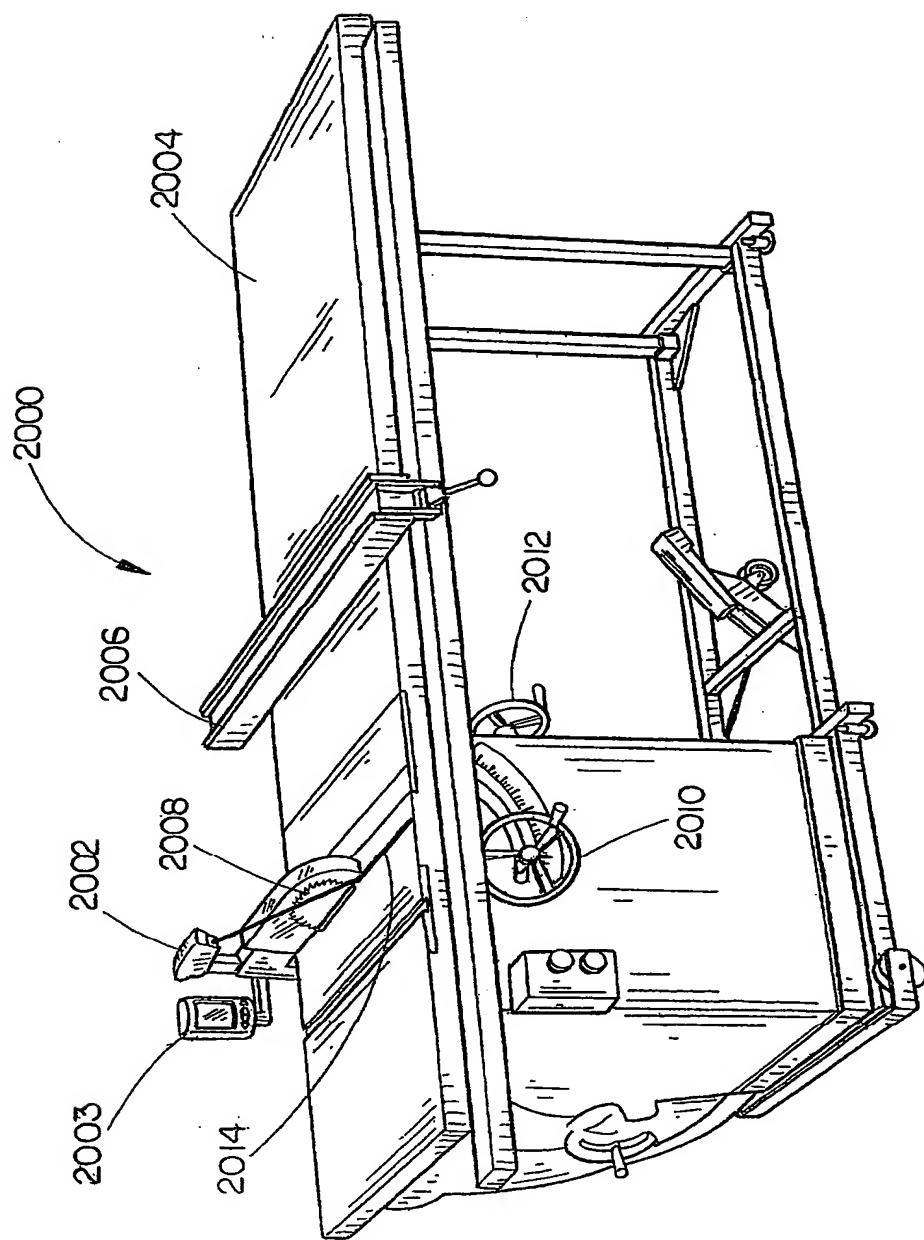


FIG. 20

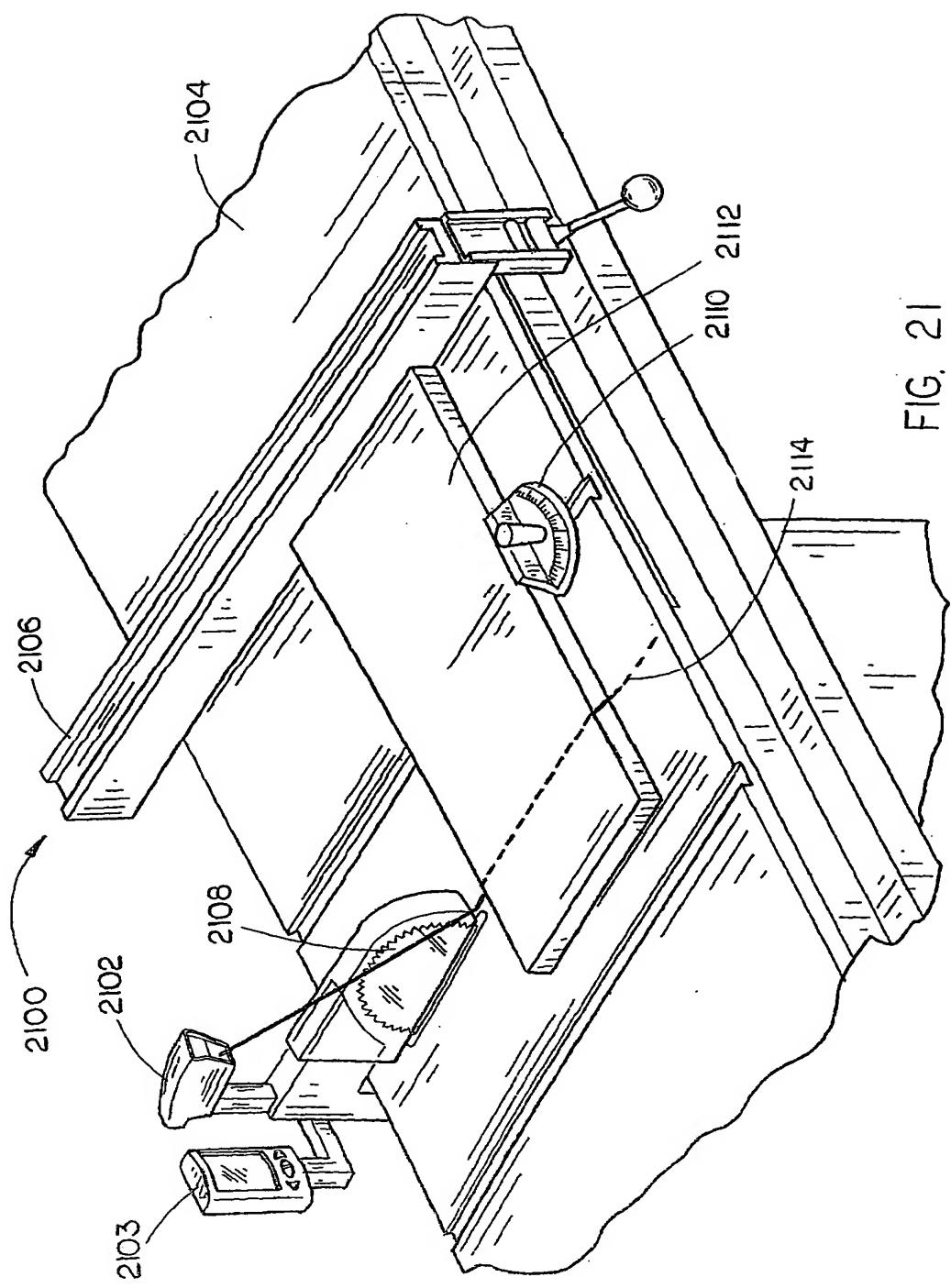


FIG. 21

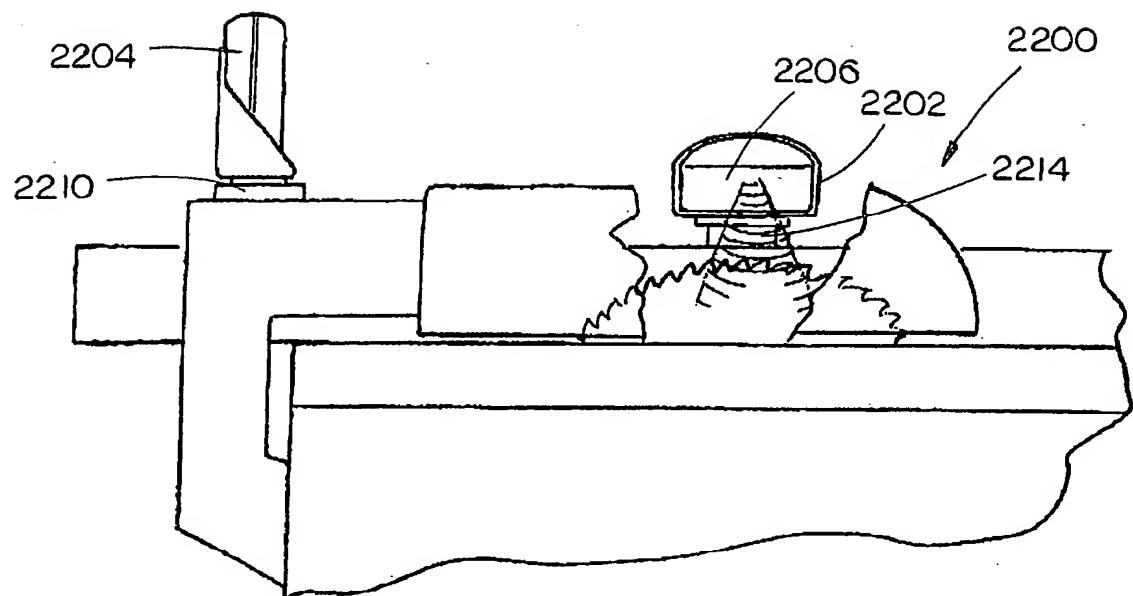


FIG. 22A

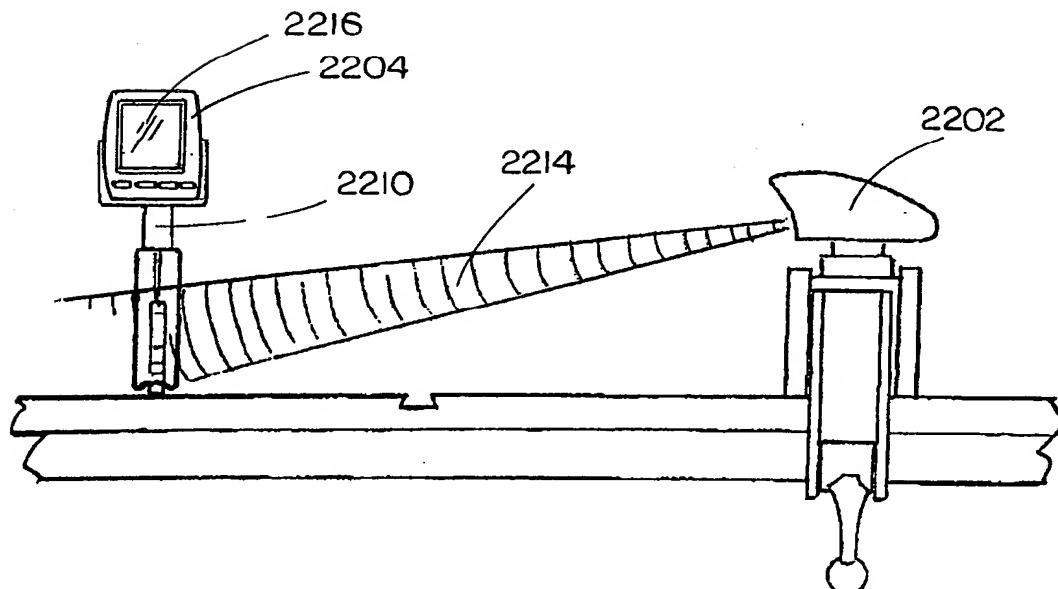


FIG. 22B

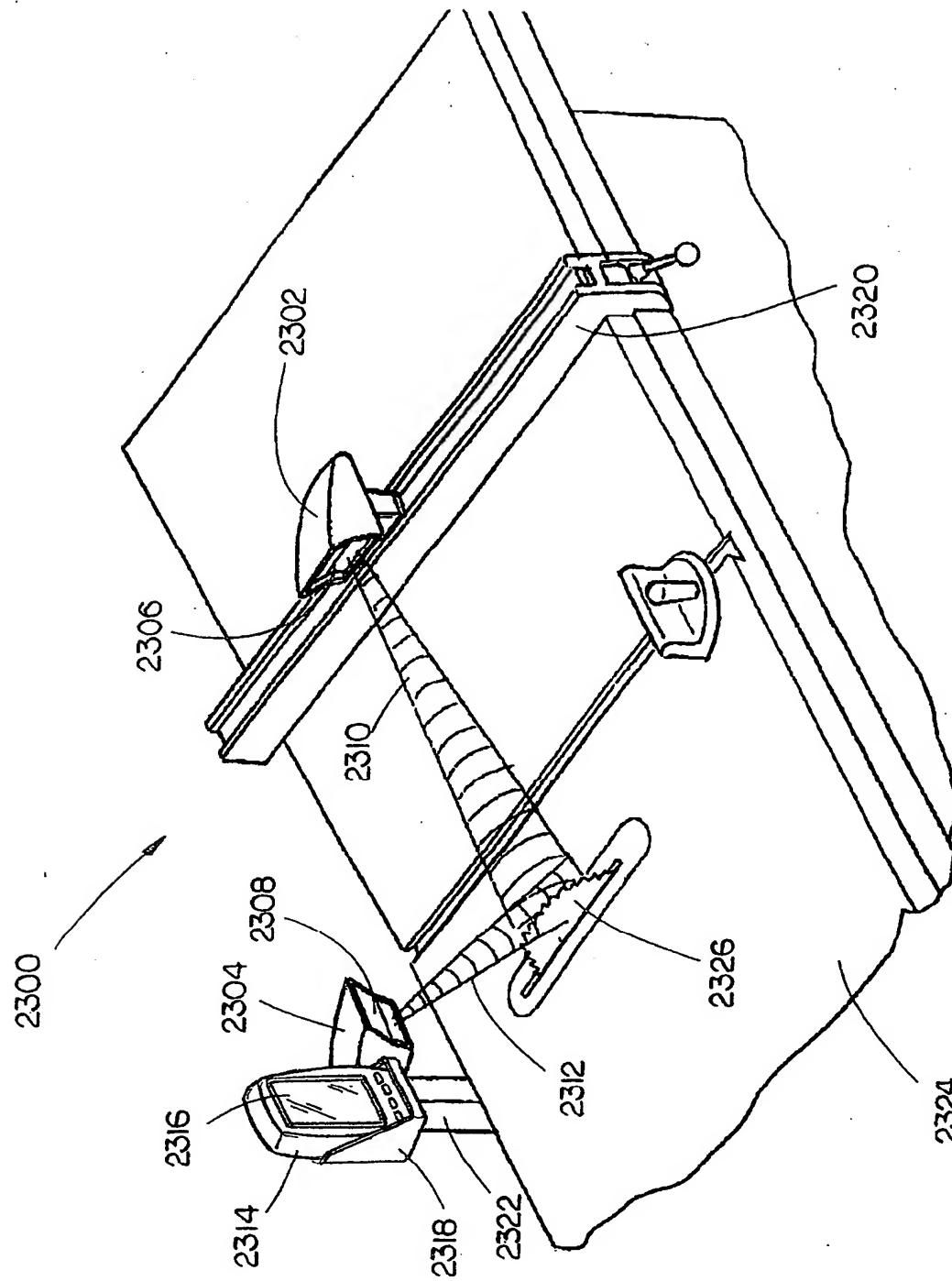


FIG. 23

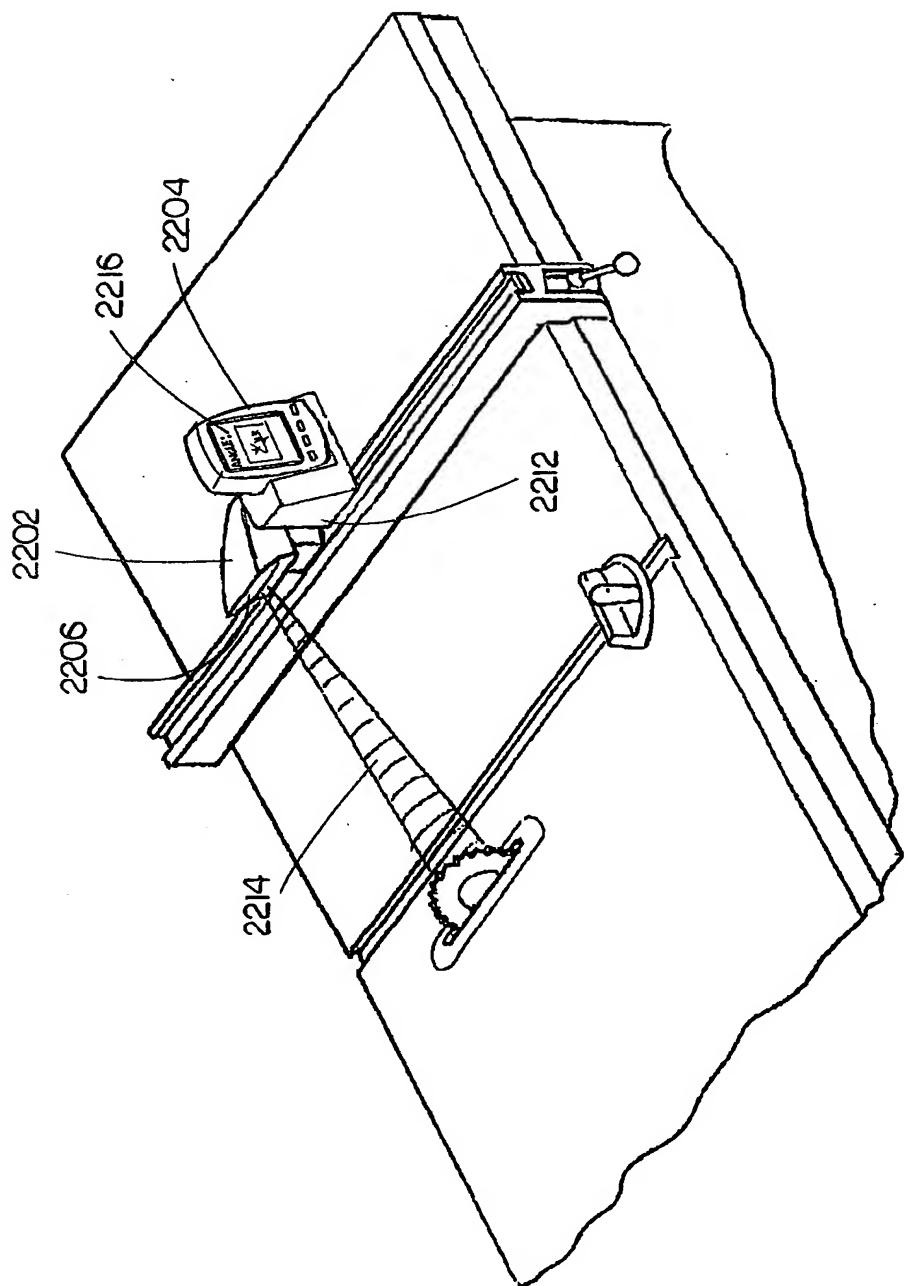


FIG. 24A

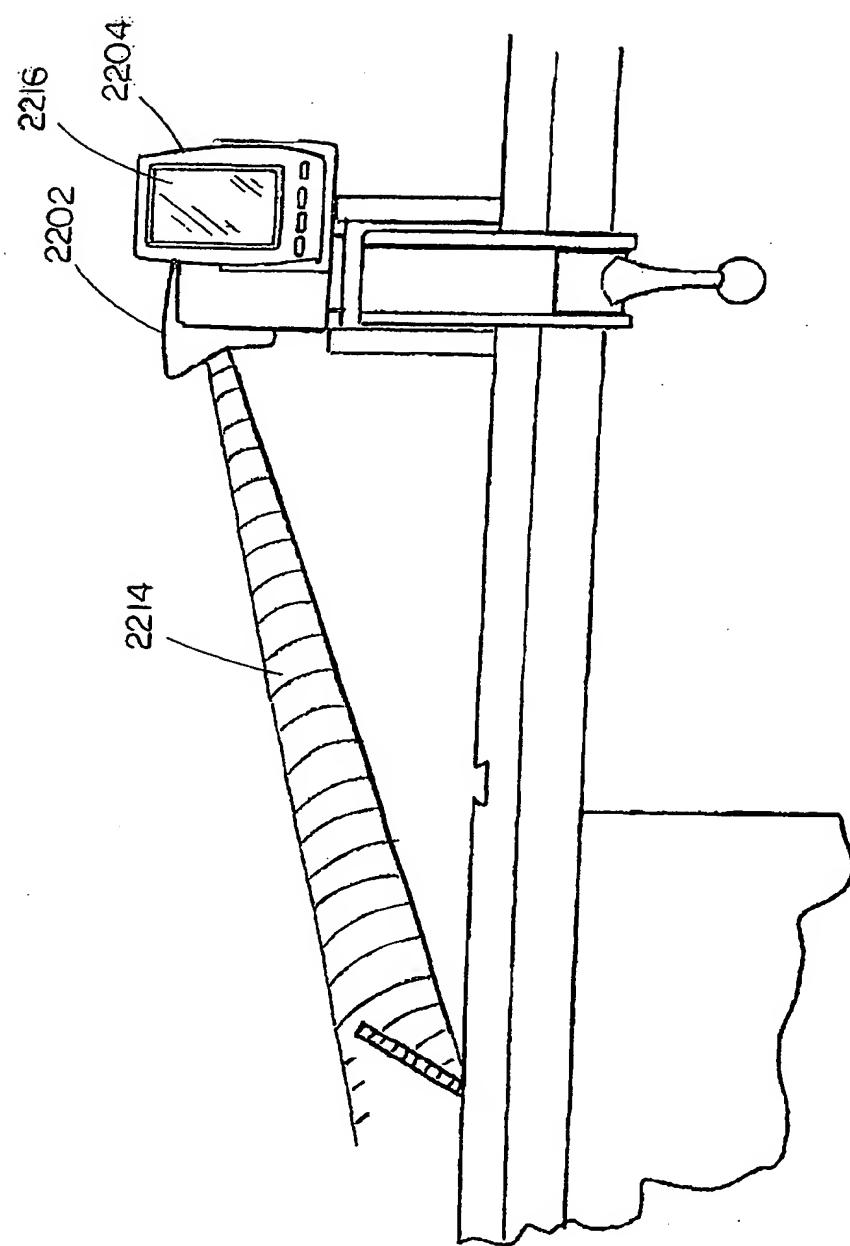


FIG. 24B

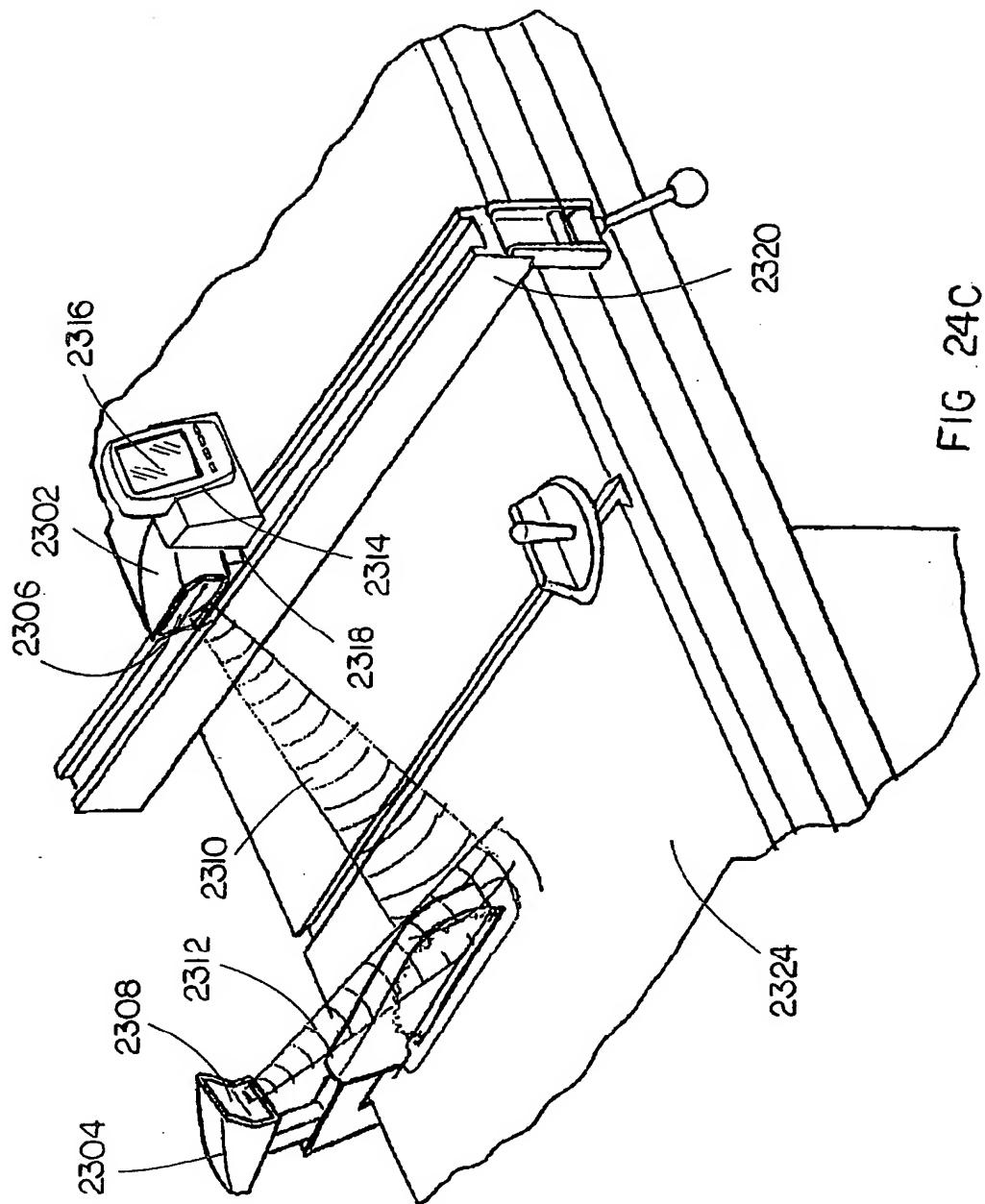


FIG 24C

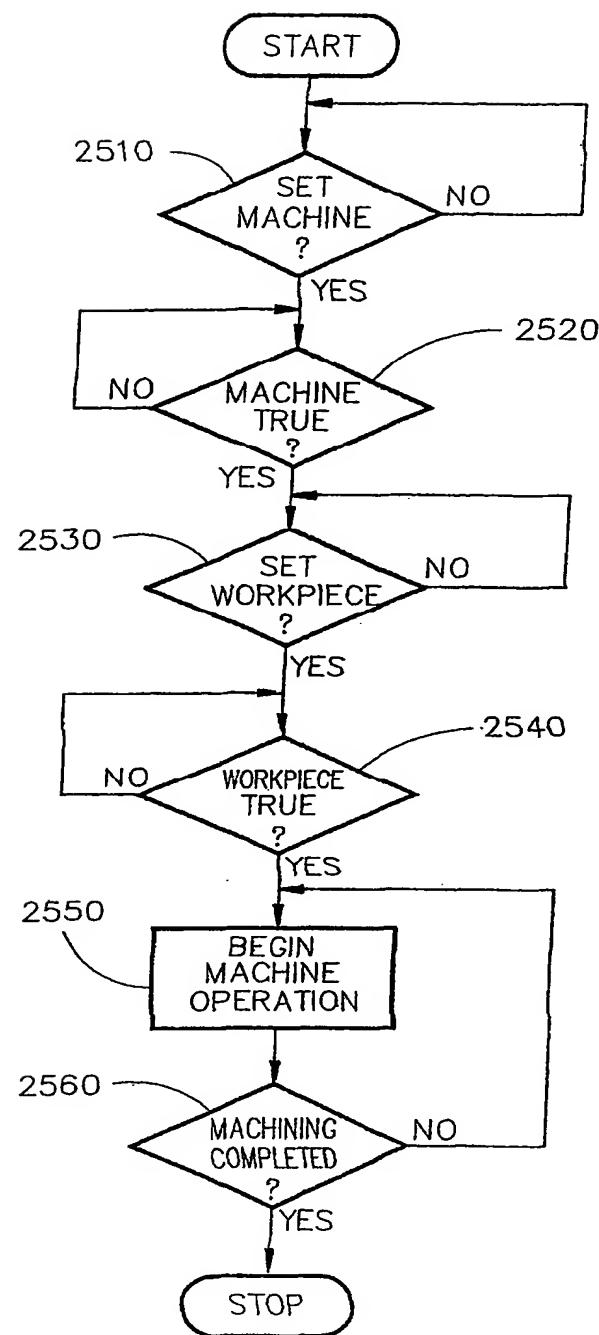
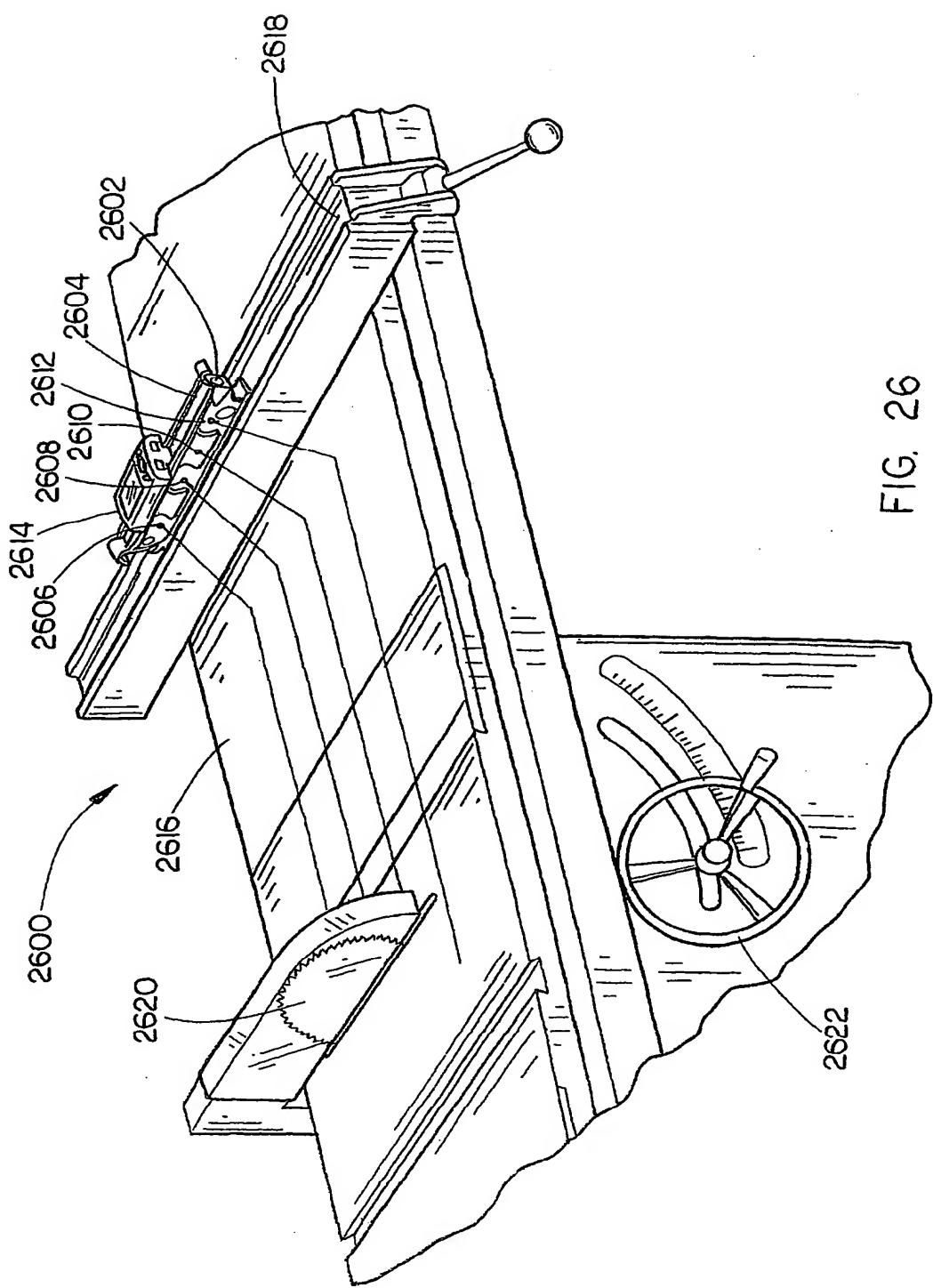


FIG. 25

FIG. 26



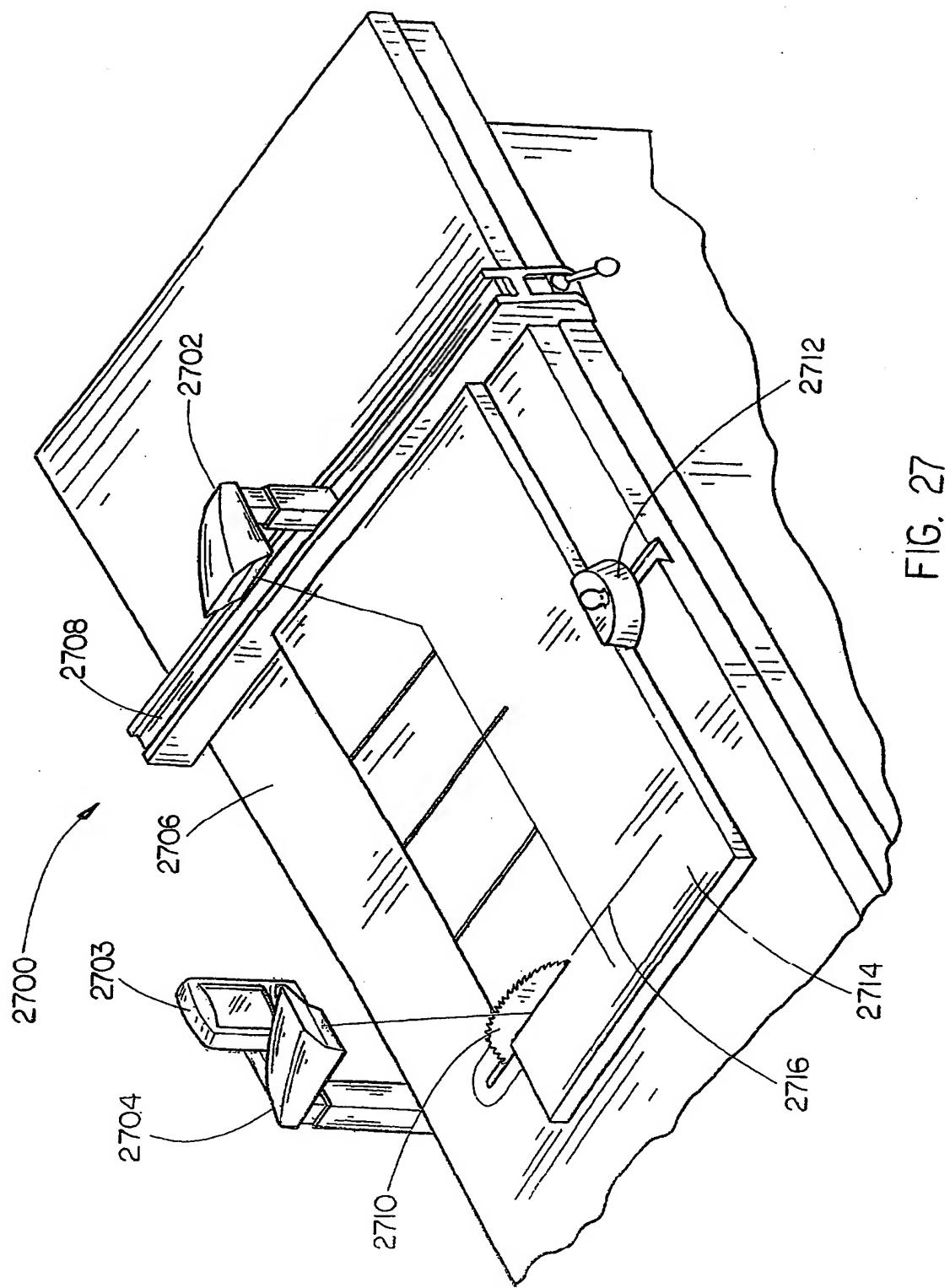


FIG. 27

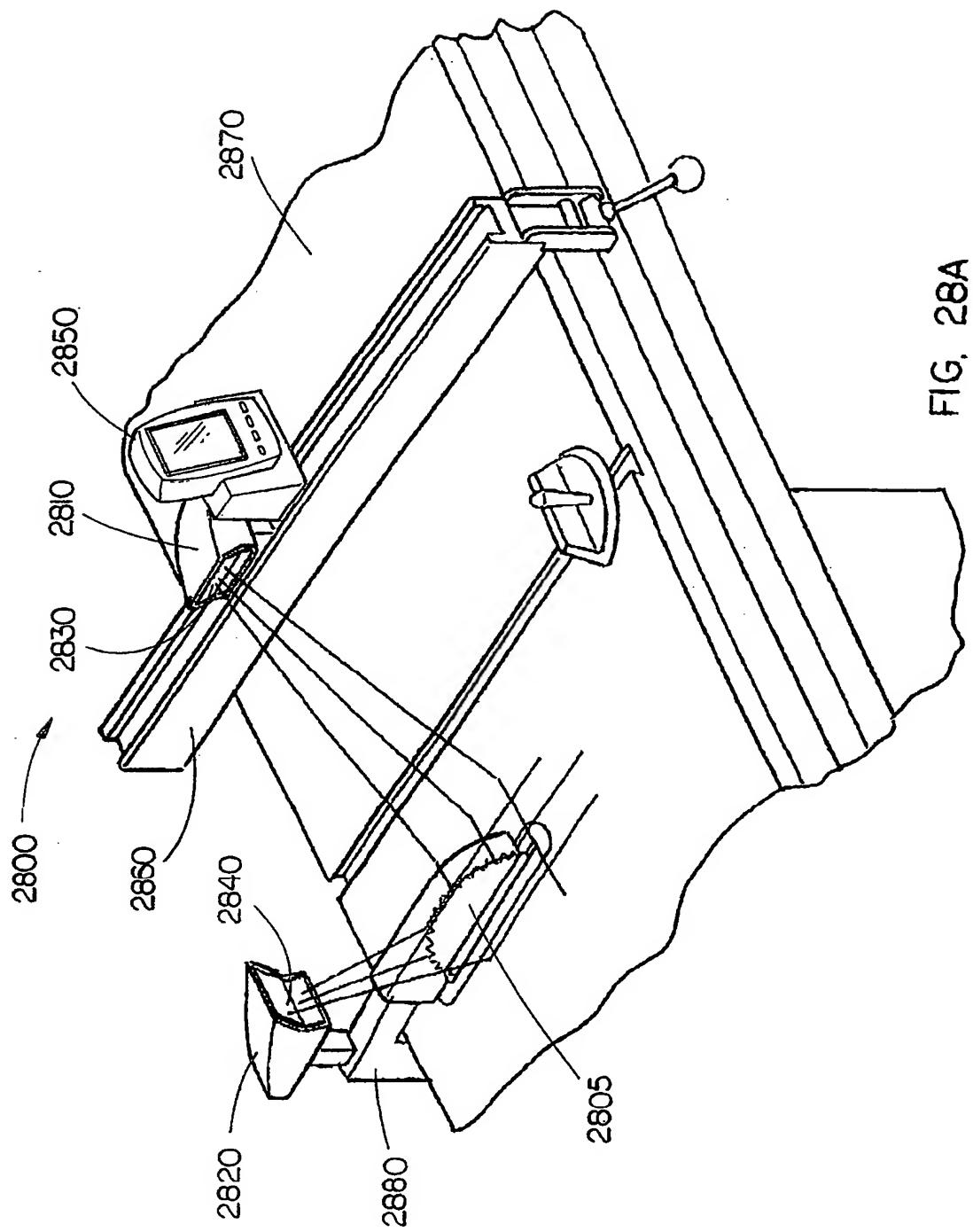


FIG. 28A

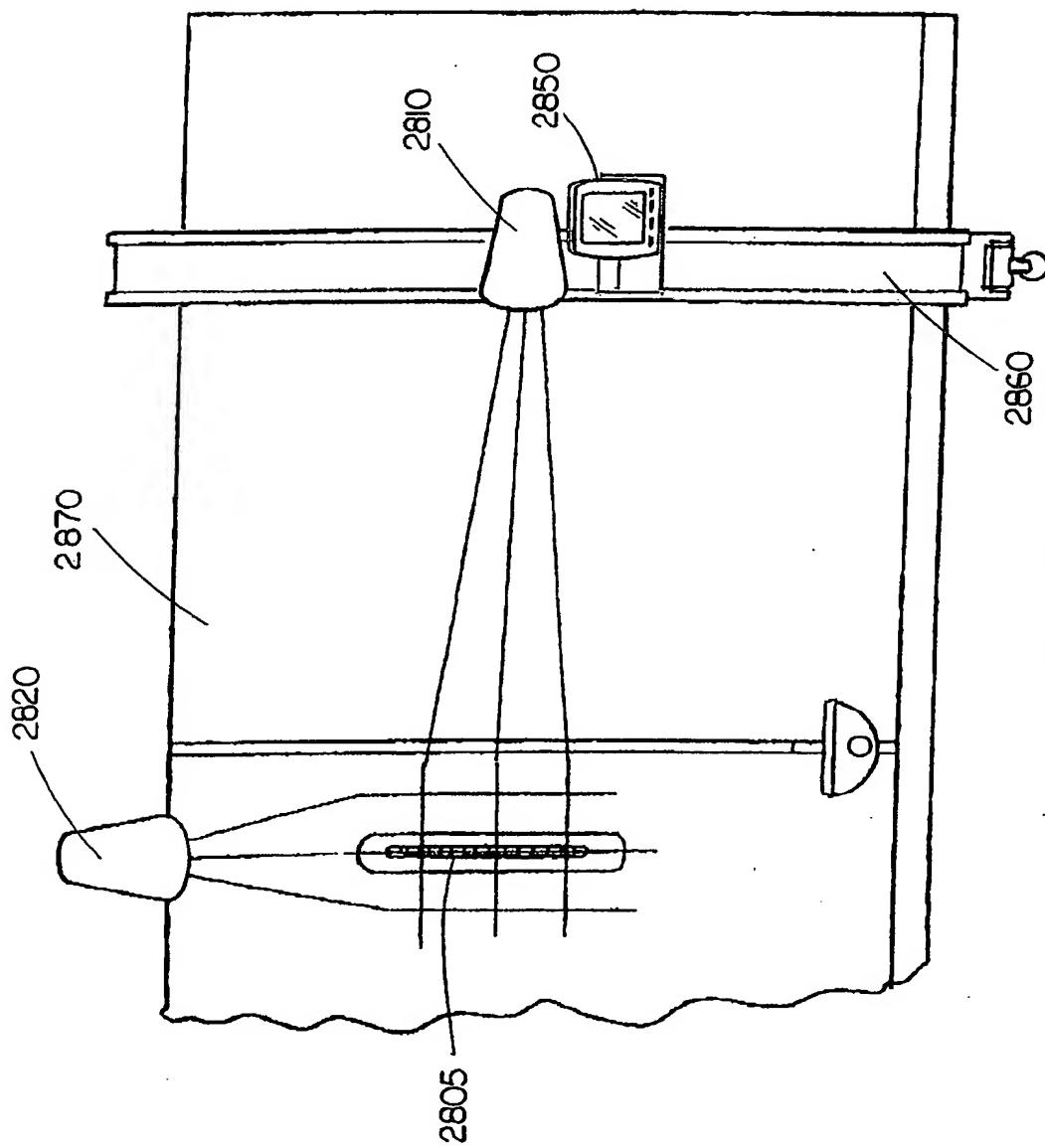


FIG. 28B

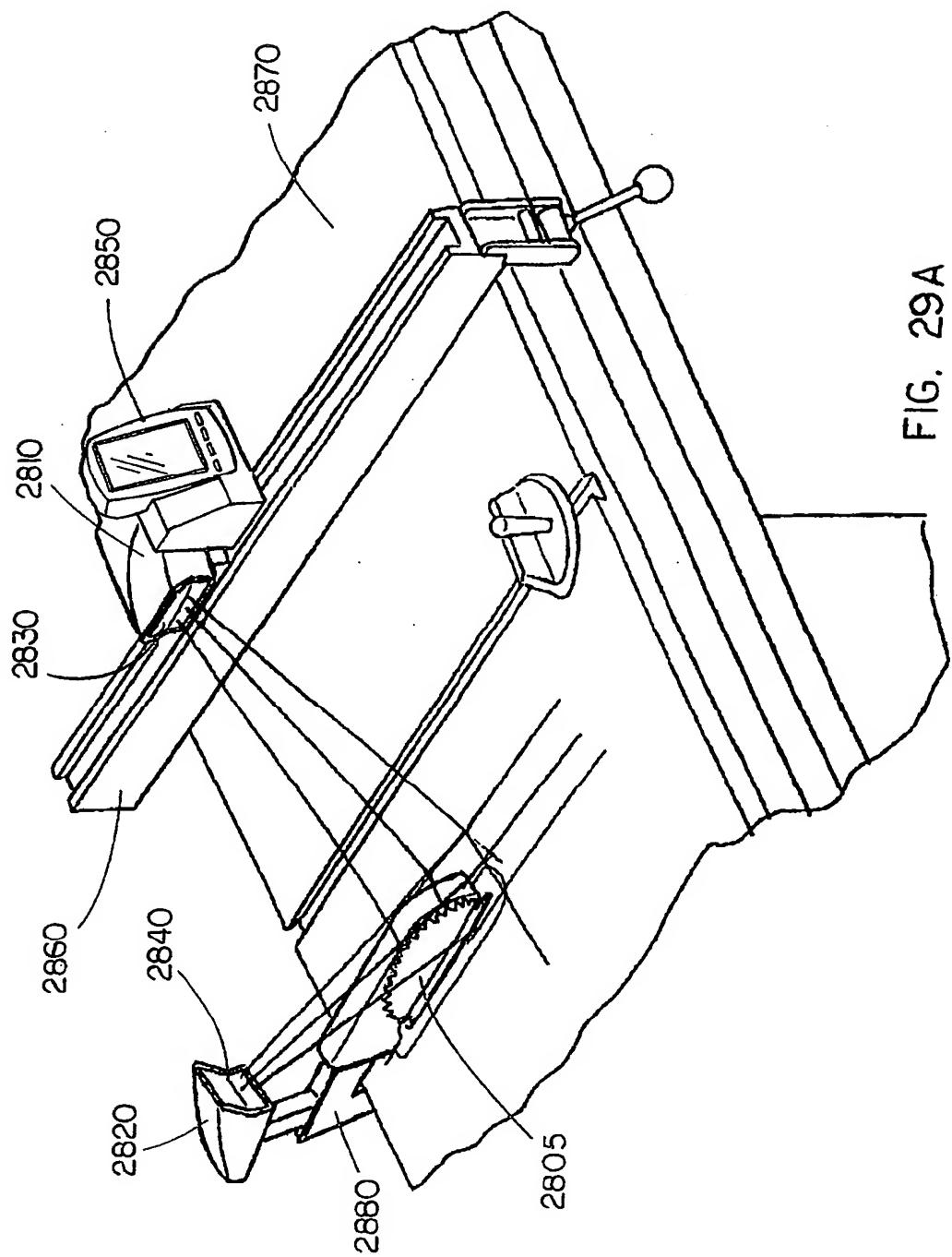


FIG. 29A

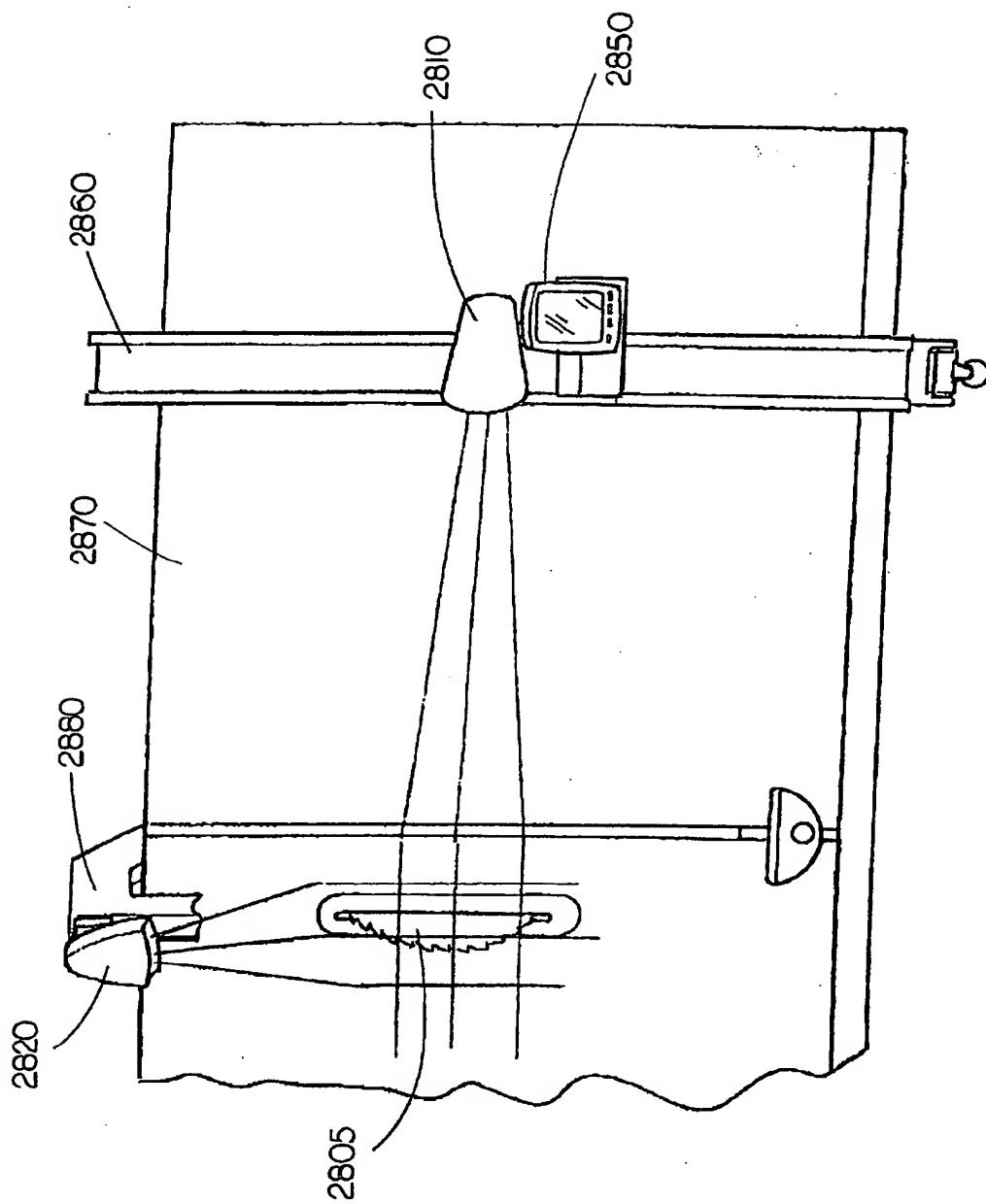
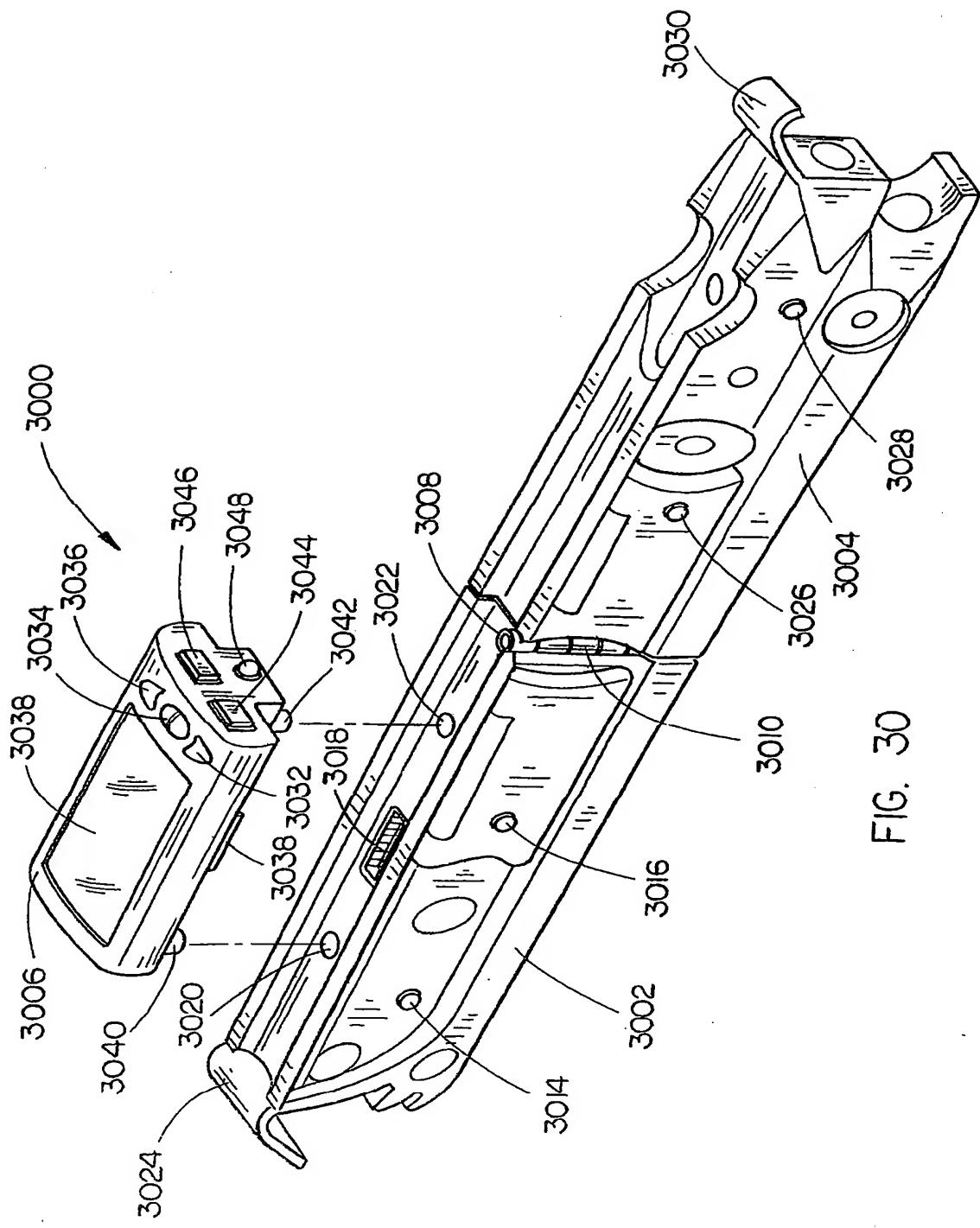


FIG. 29B



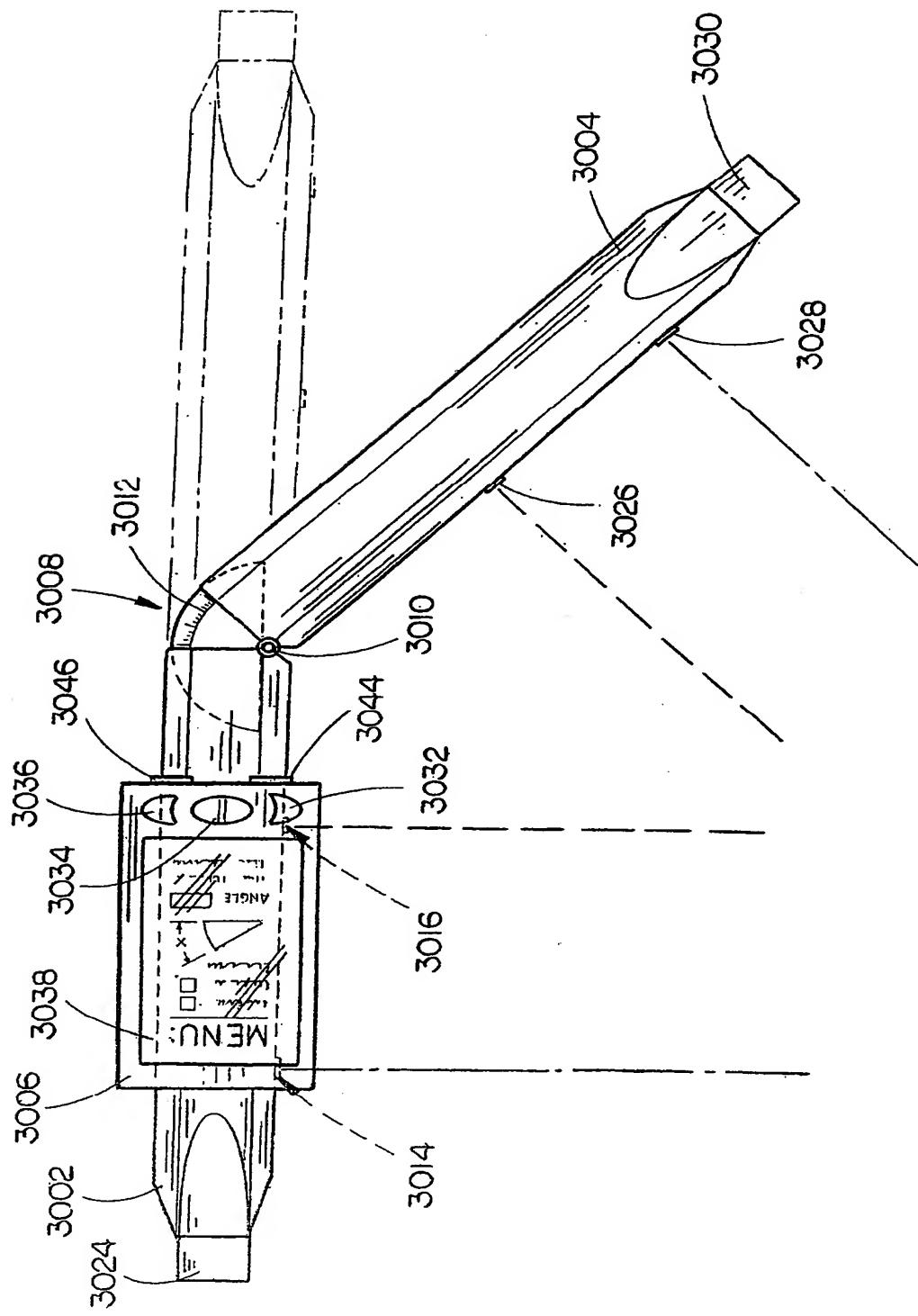


FIG. 31

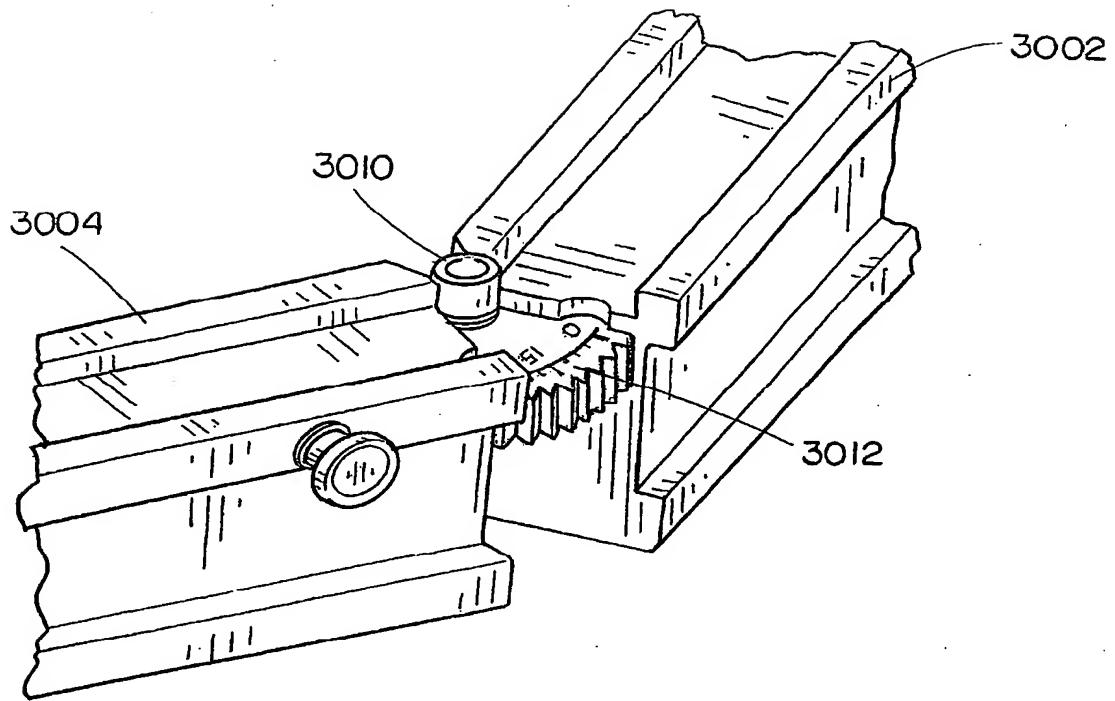


FIG. 32

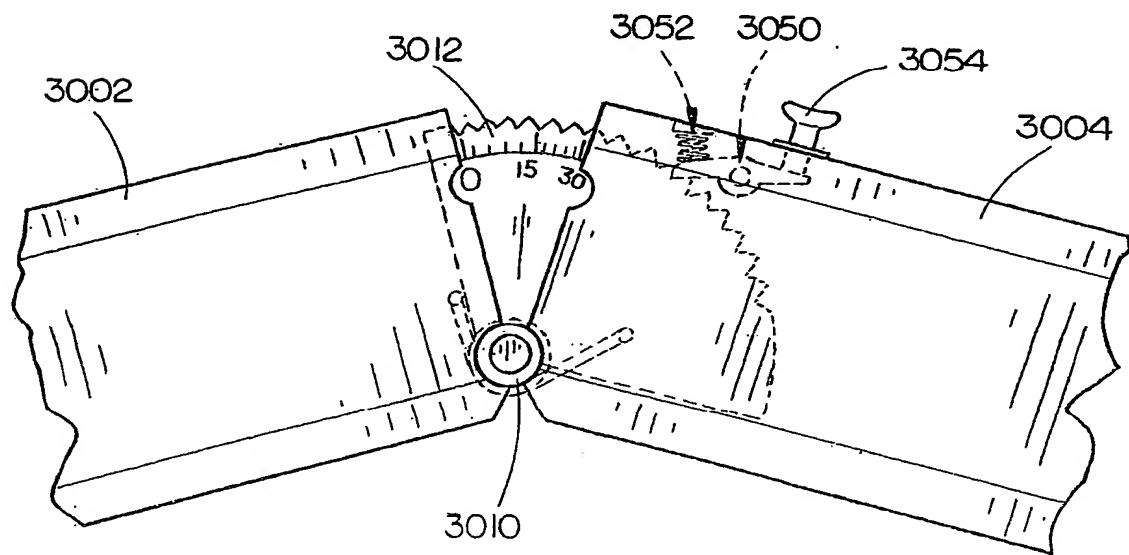


FIG. 33

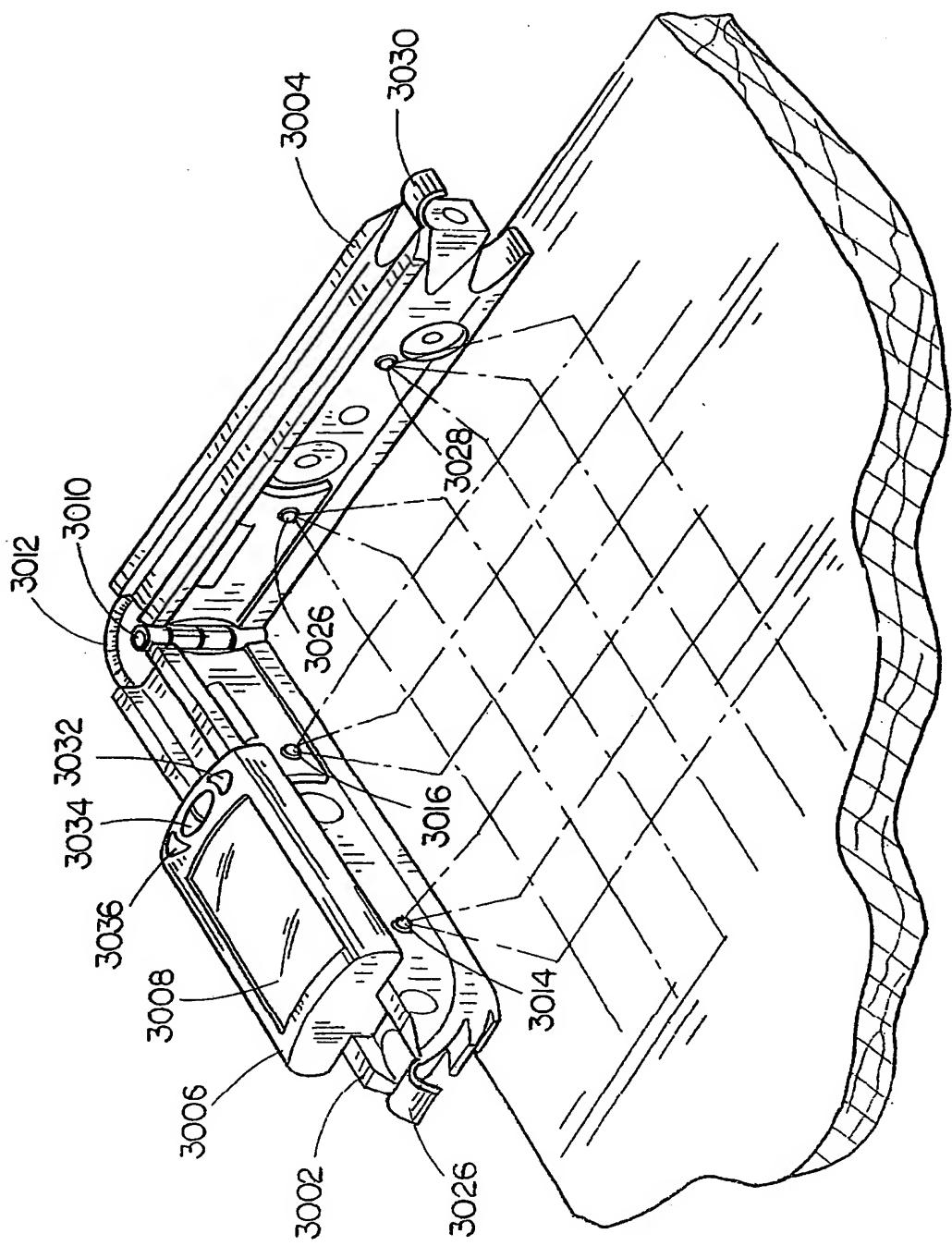


FIG. 34

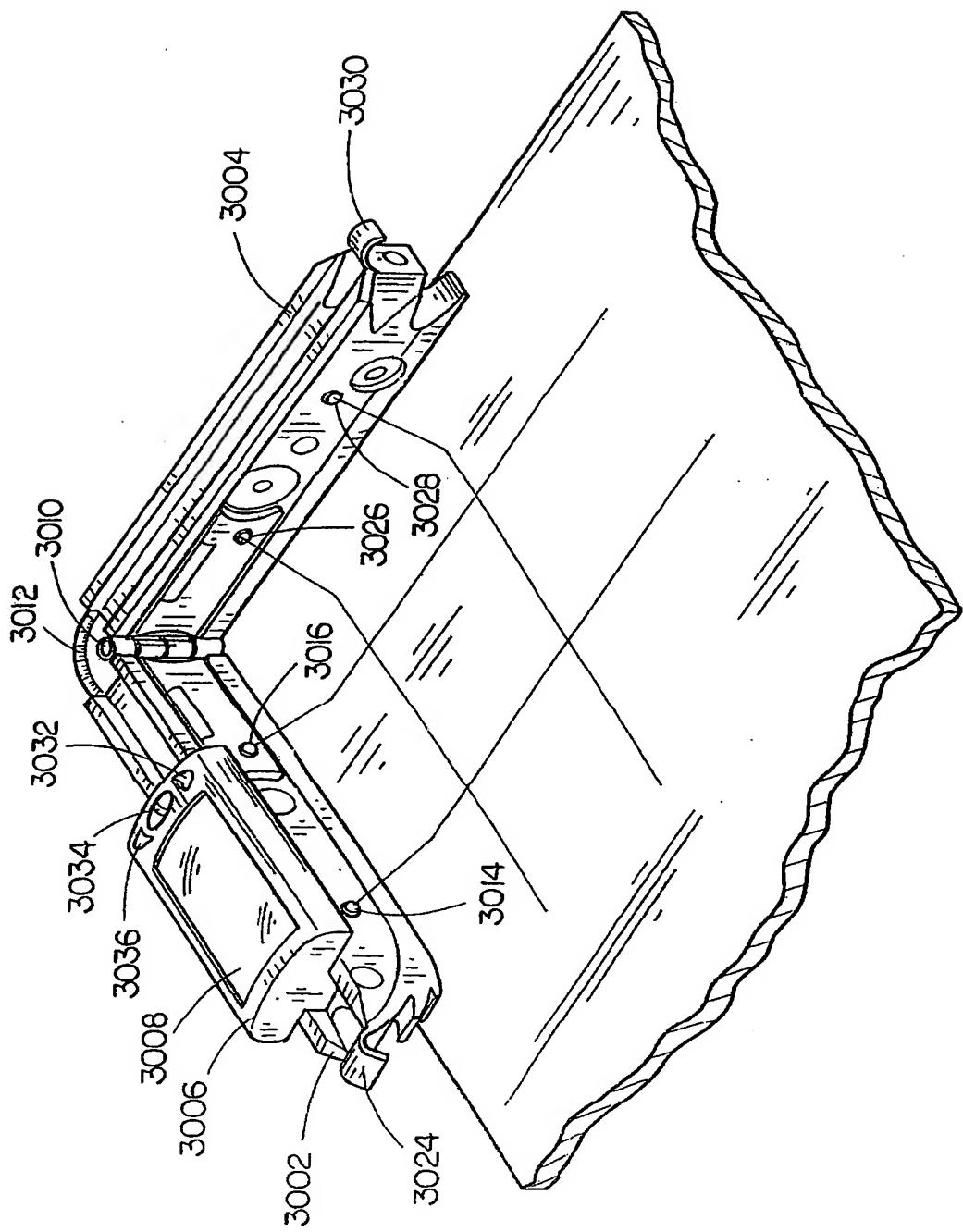
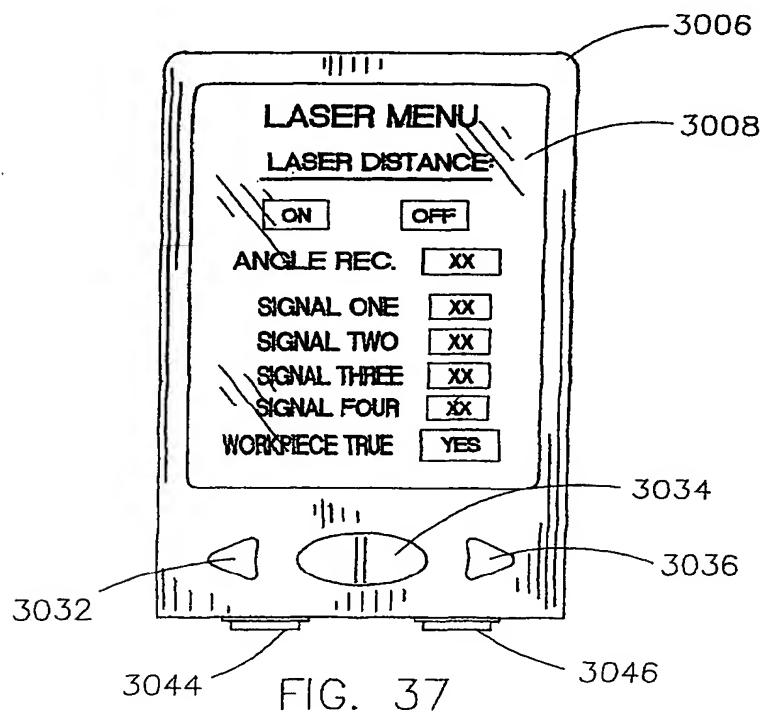
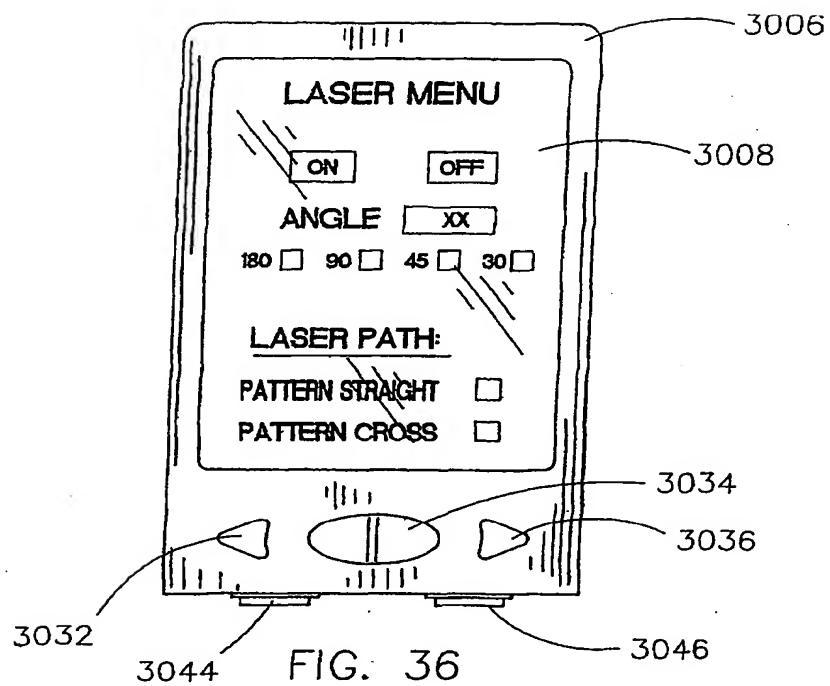


FIG. 35



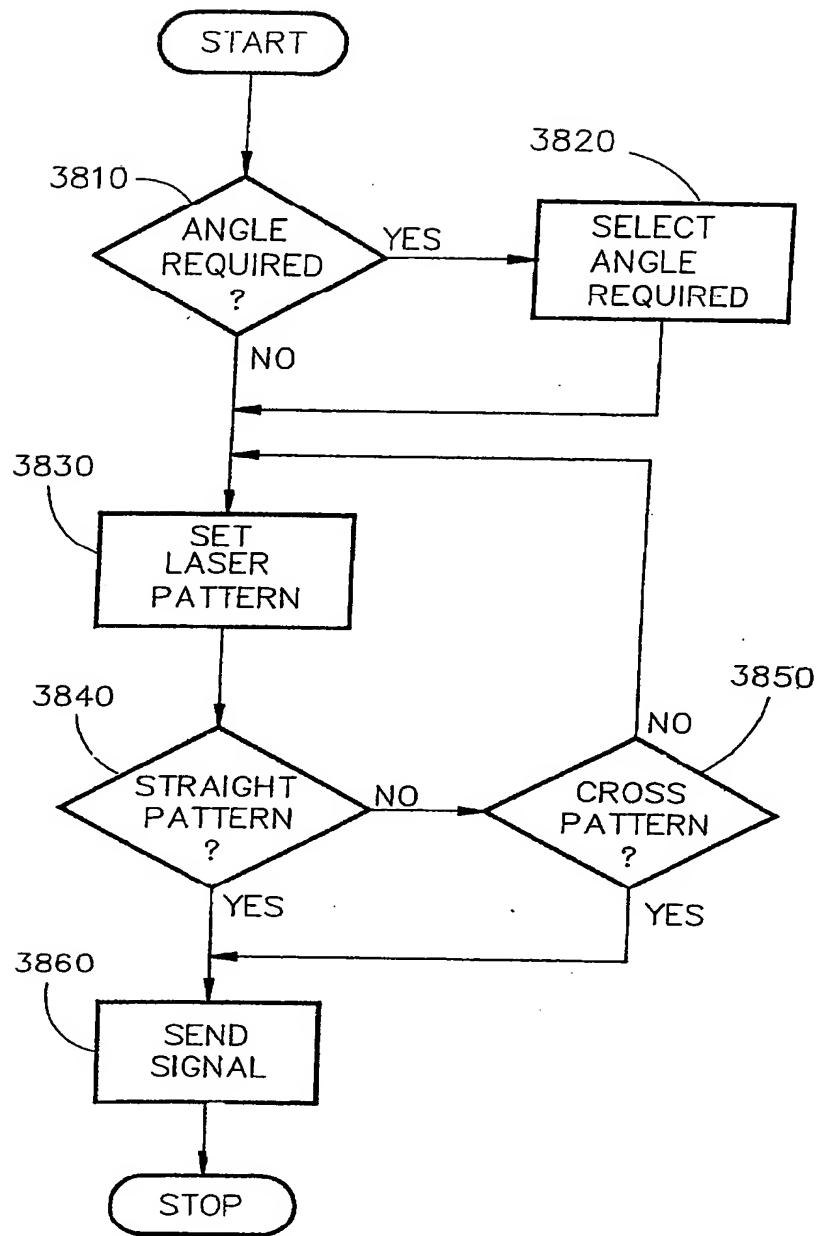
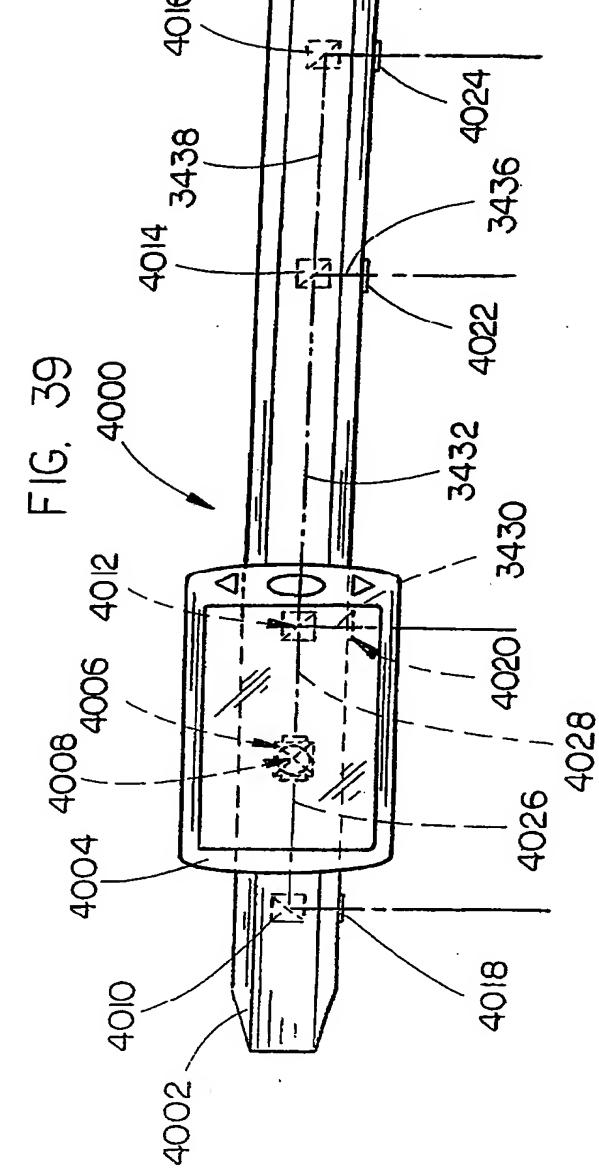
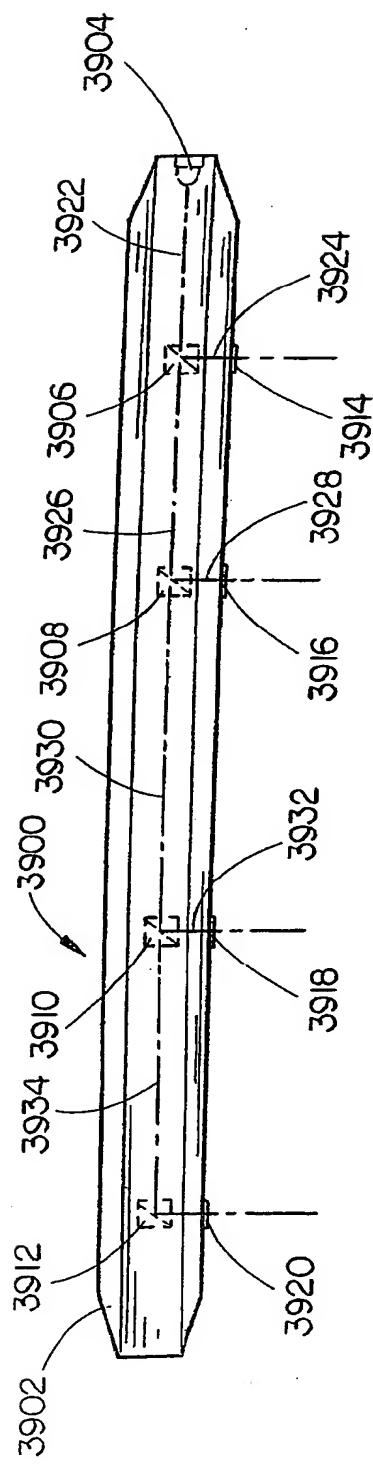
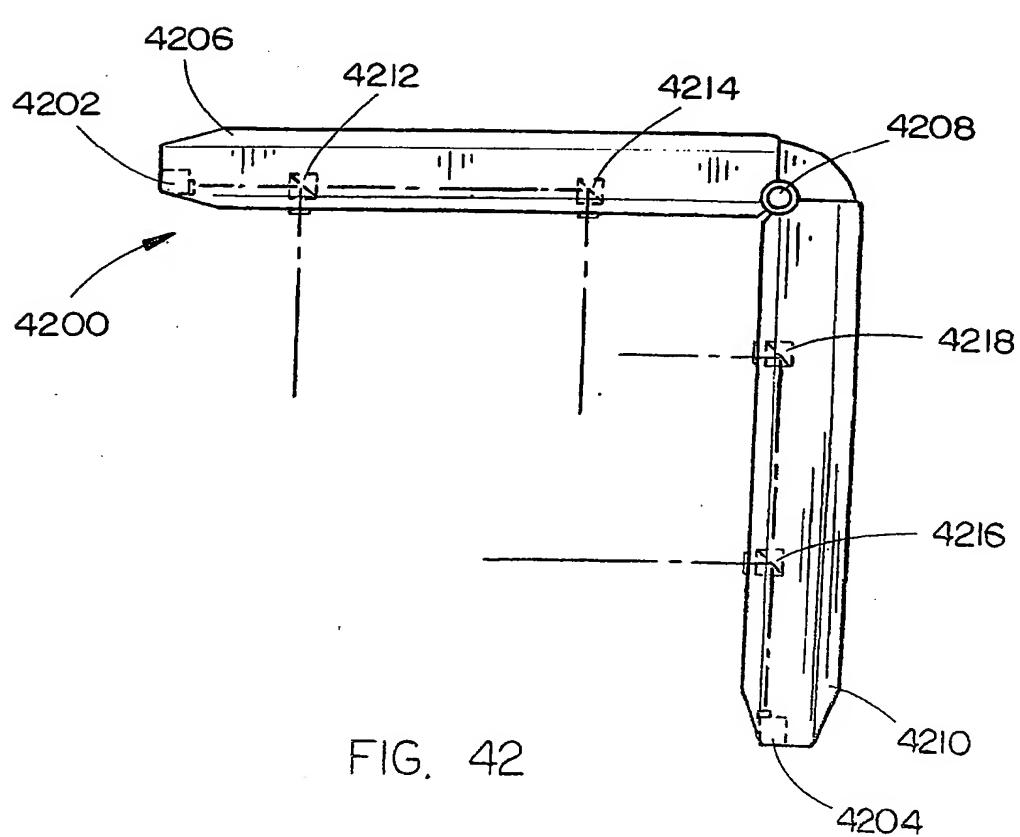
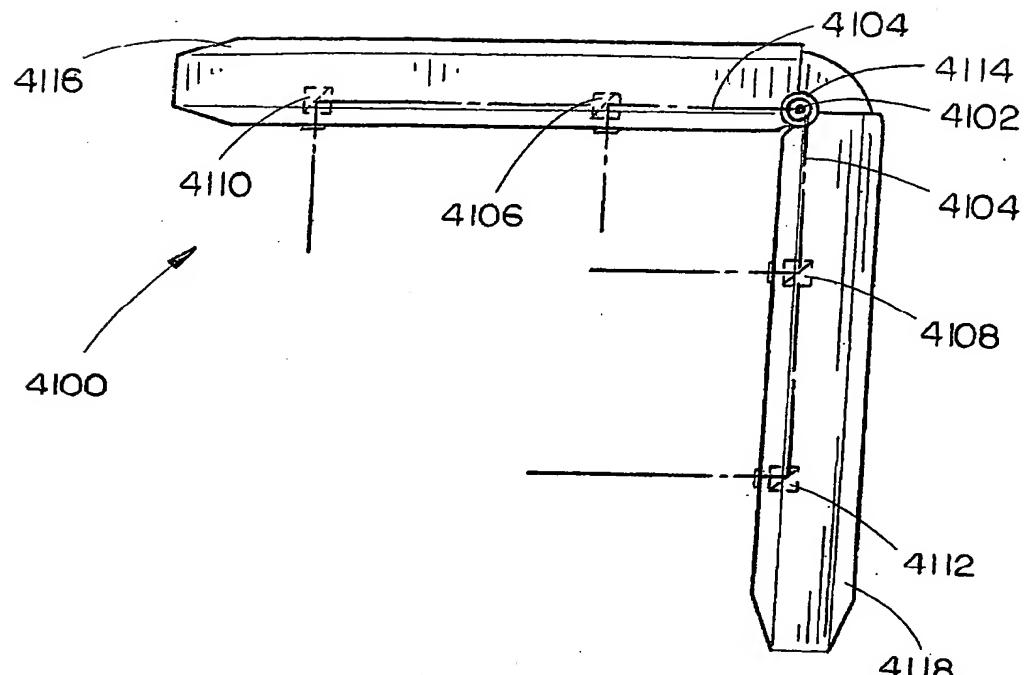


FIG. 38





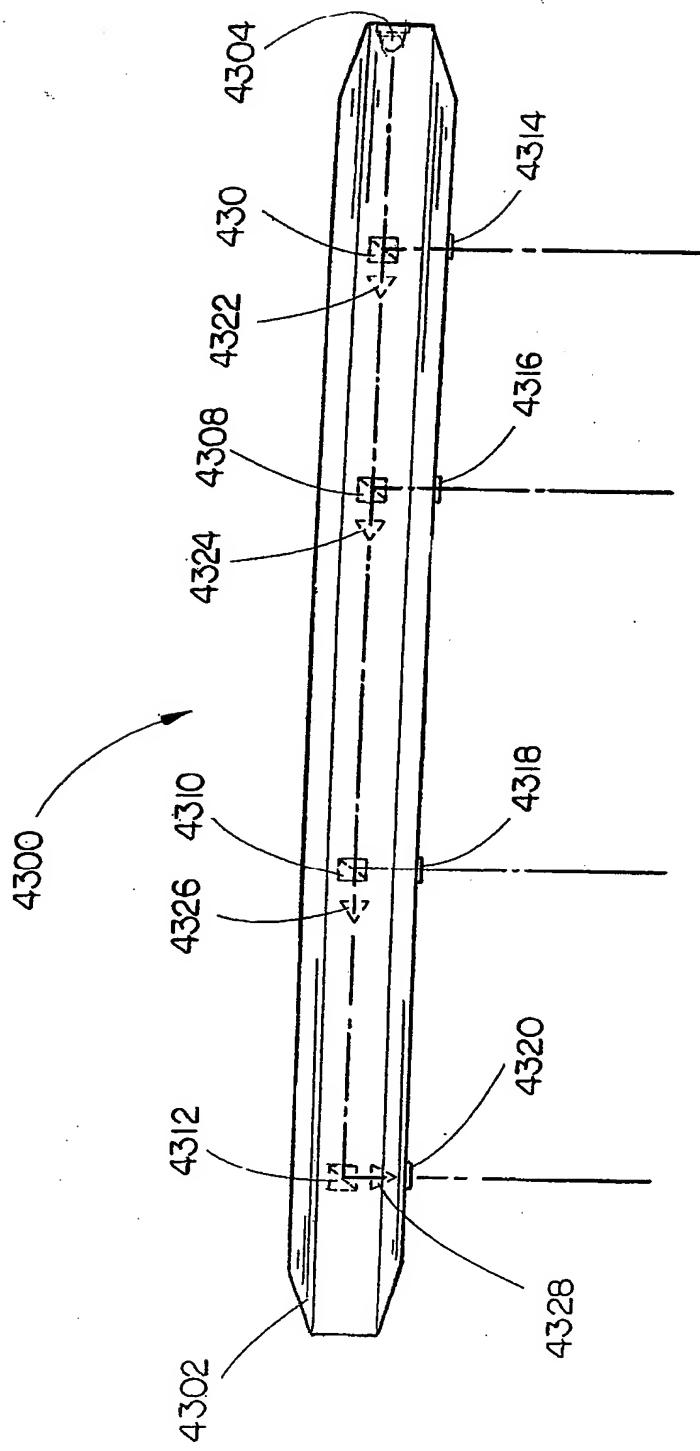


FIG. 43

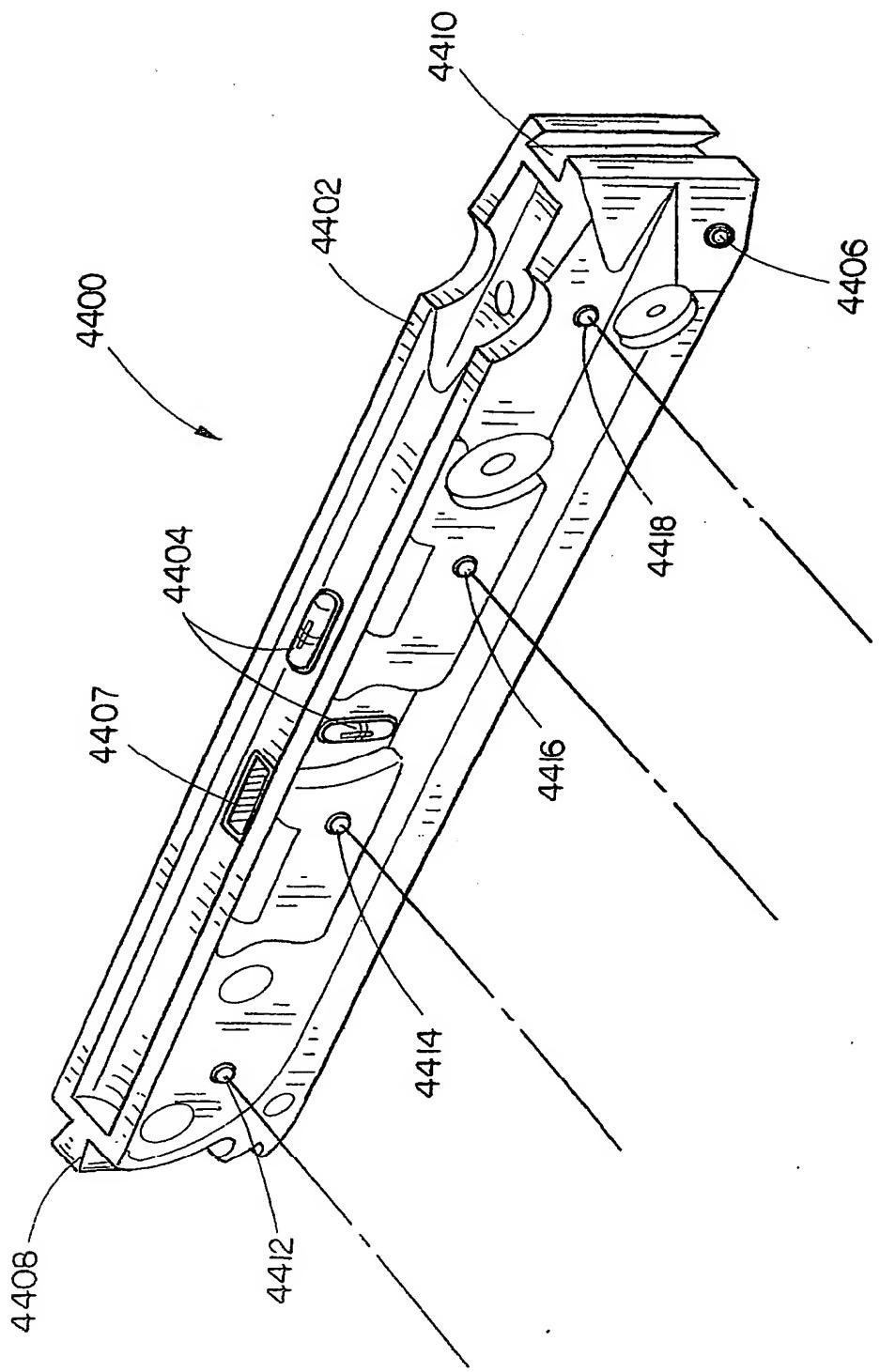


FIG. 44

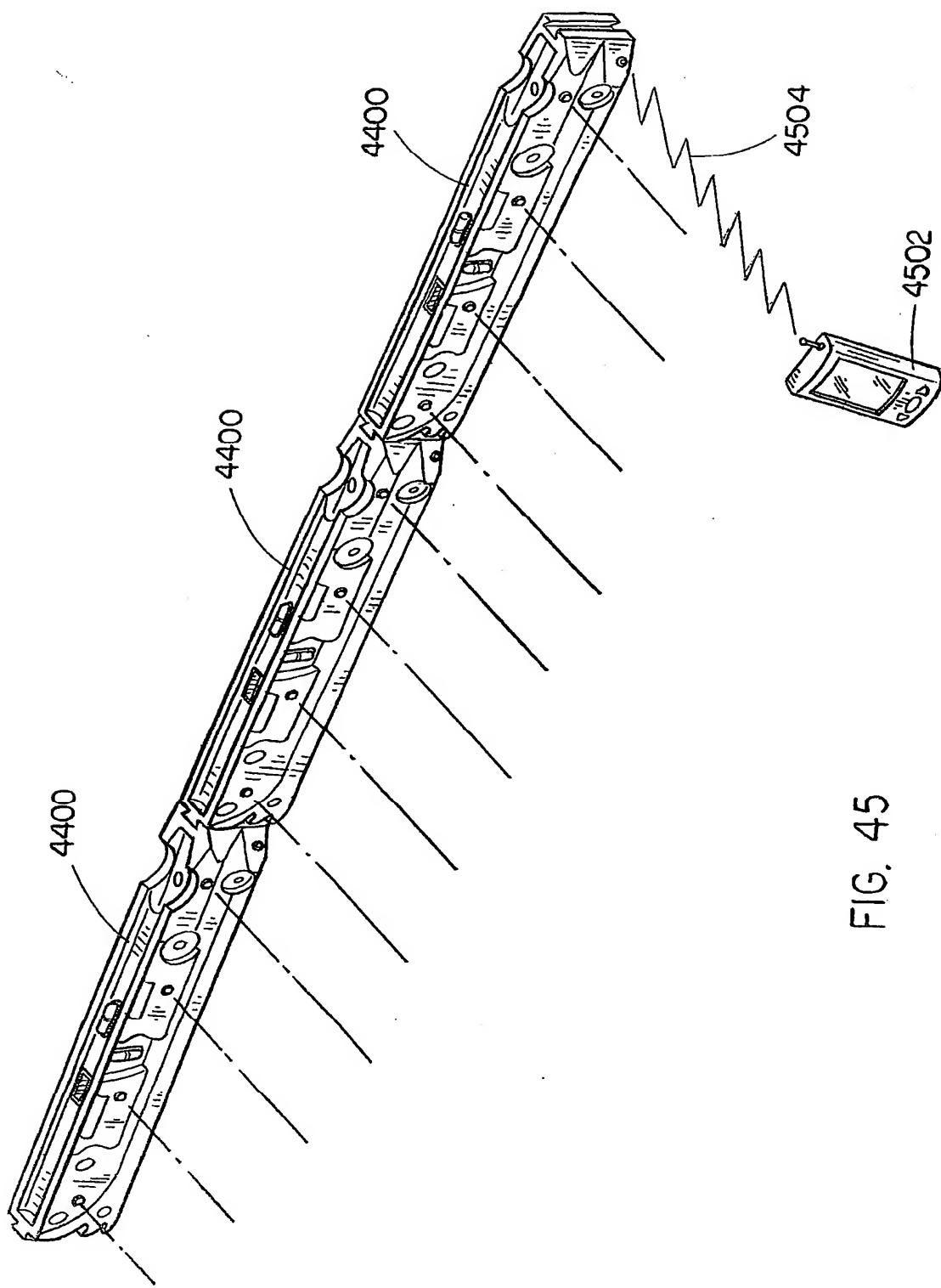
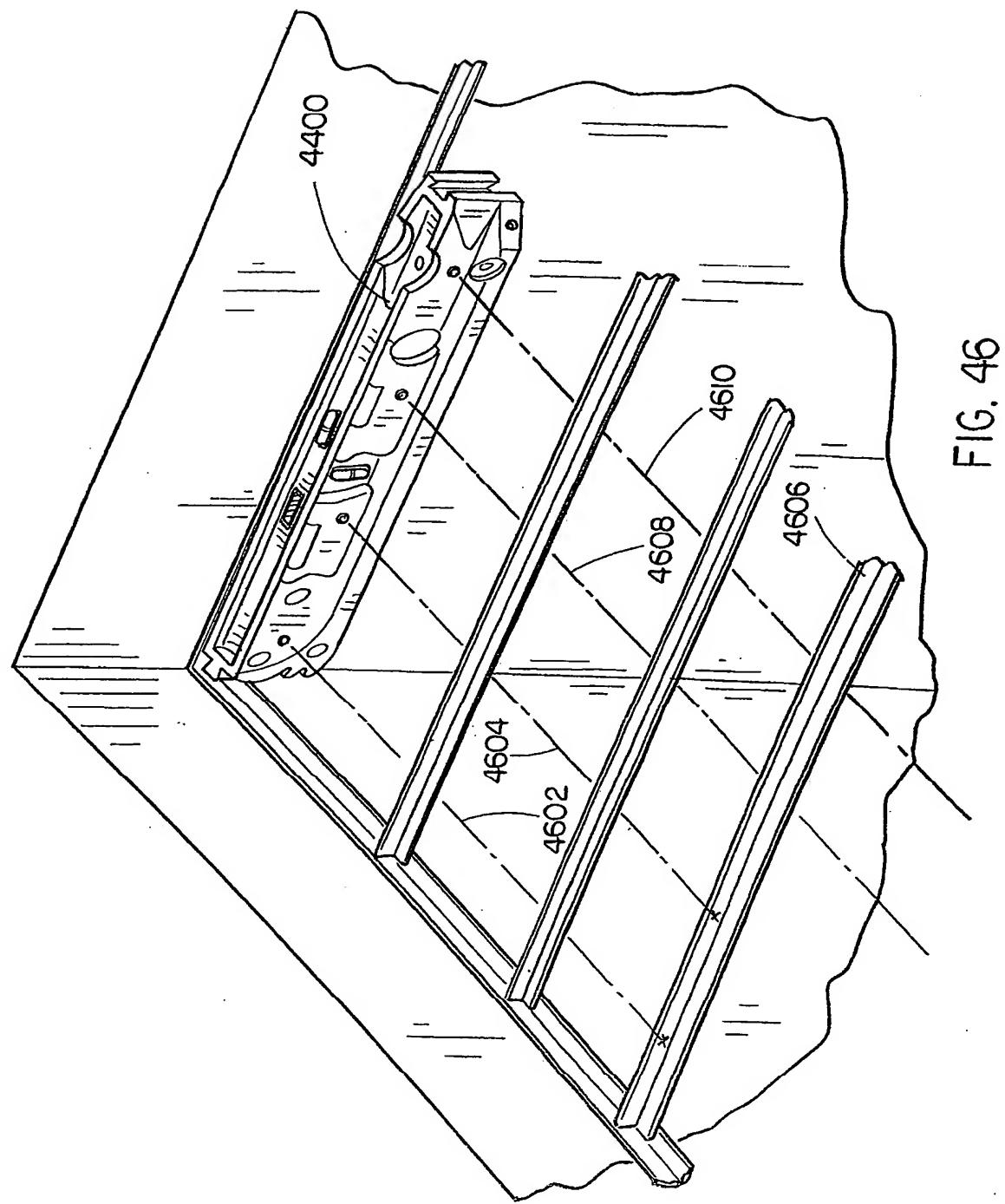


FIG. 45



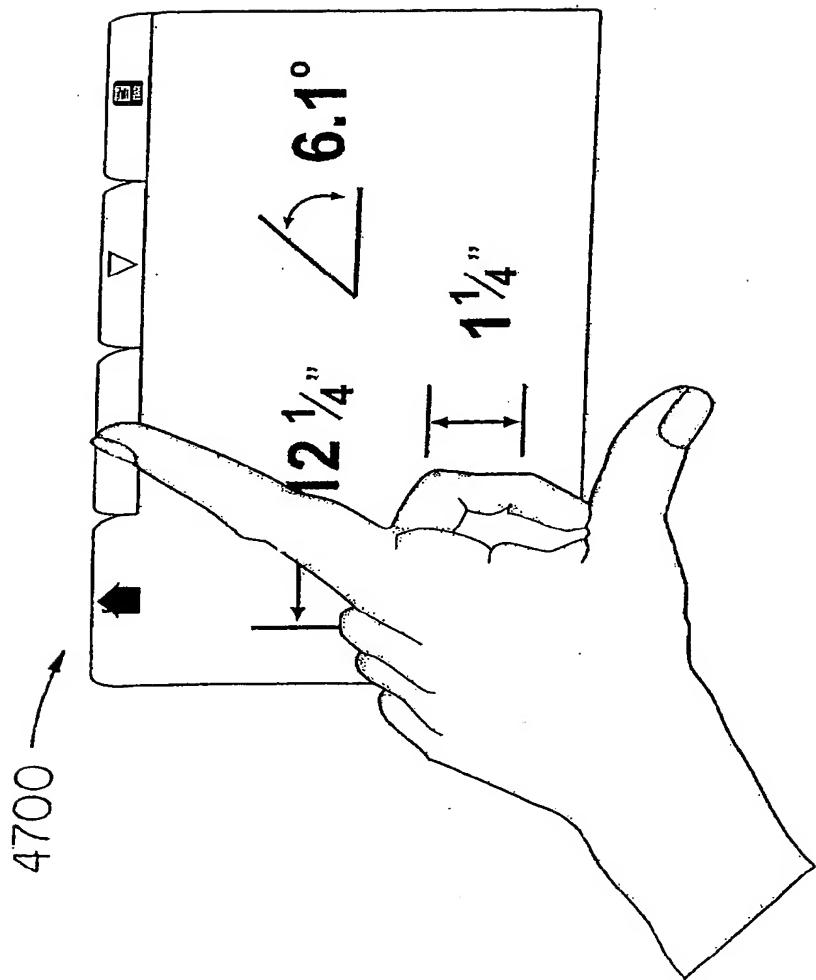


FIG. 47

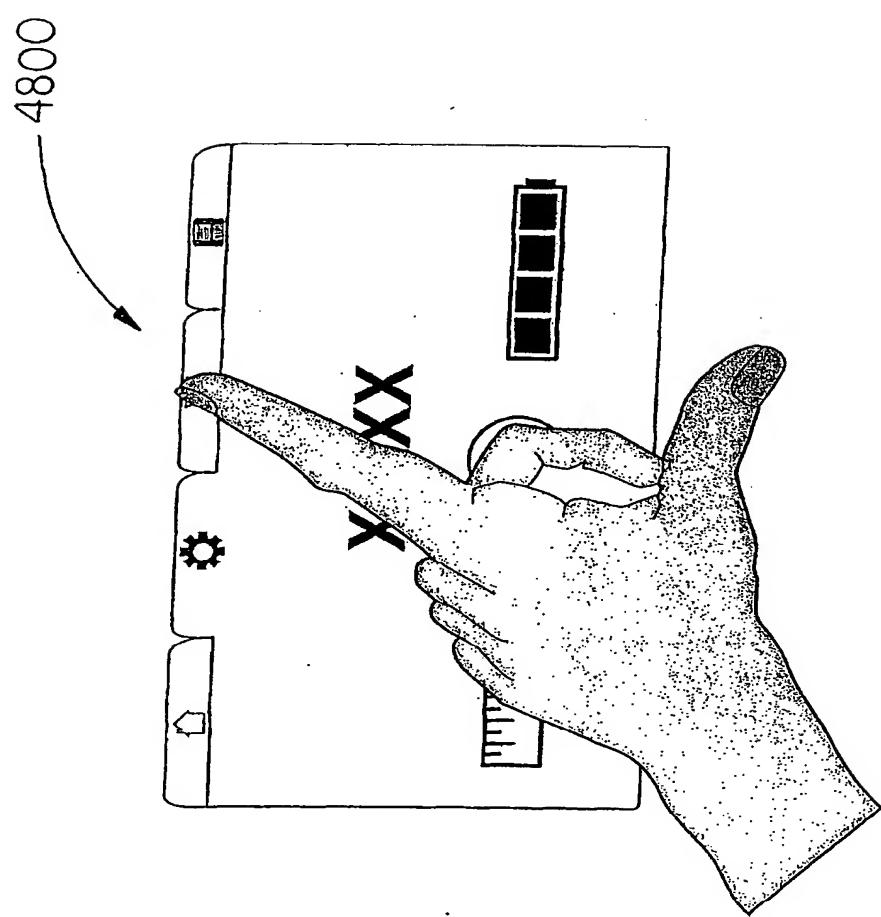


FIG. 48

FIG.49

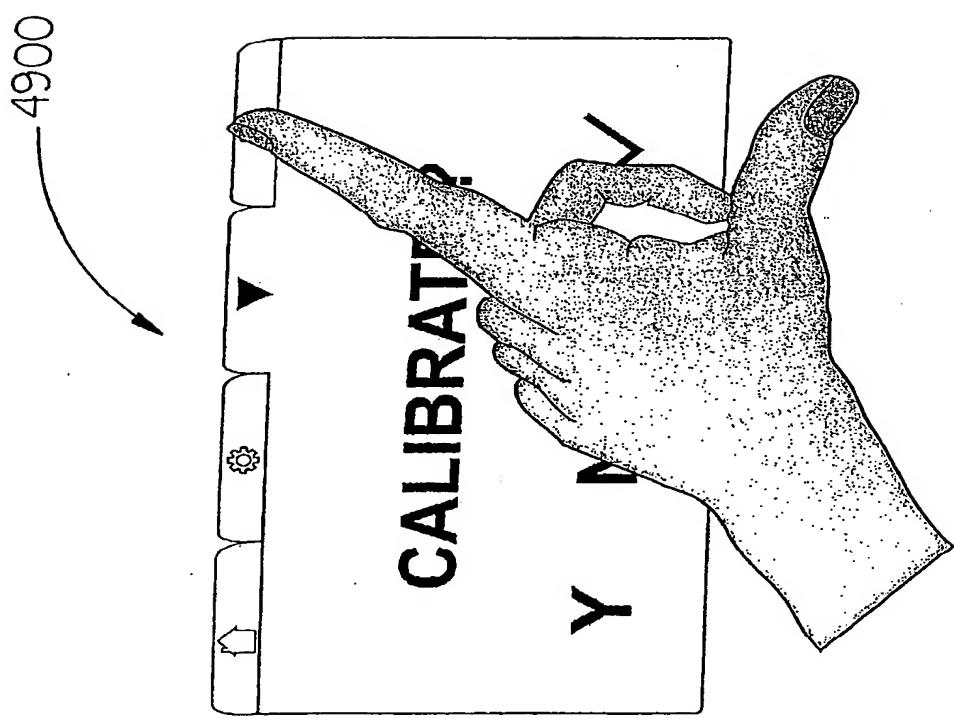
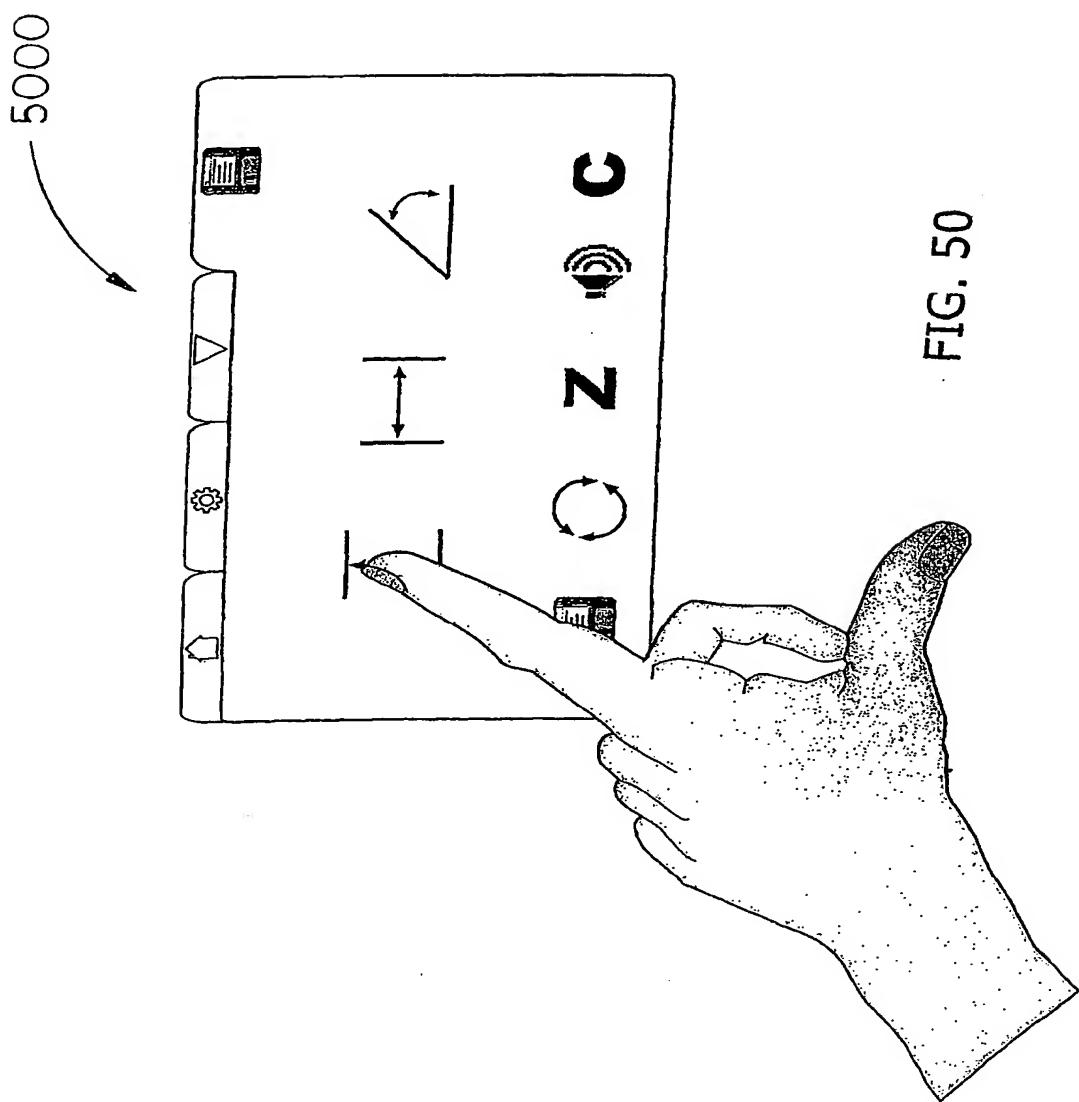


FIG. 50



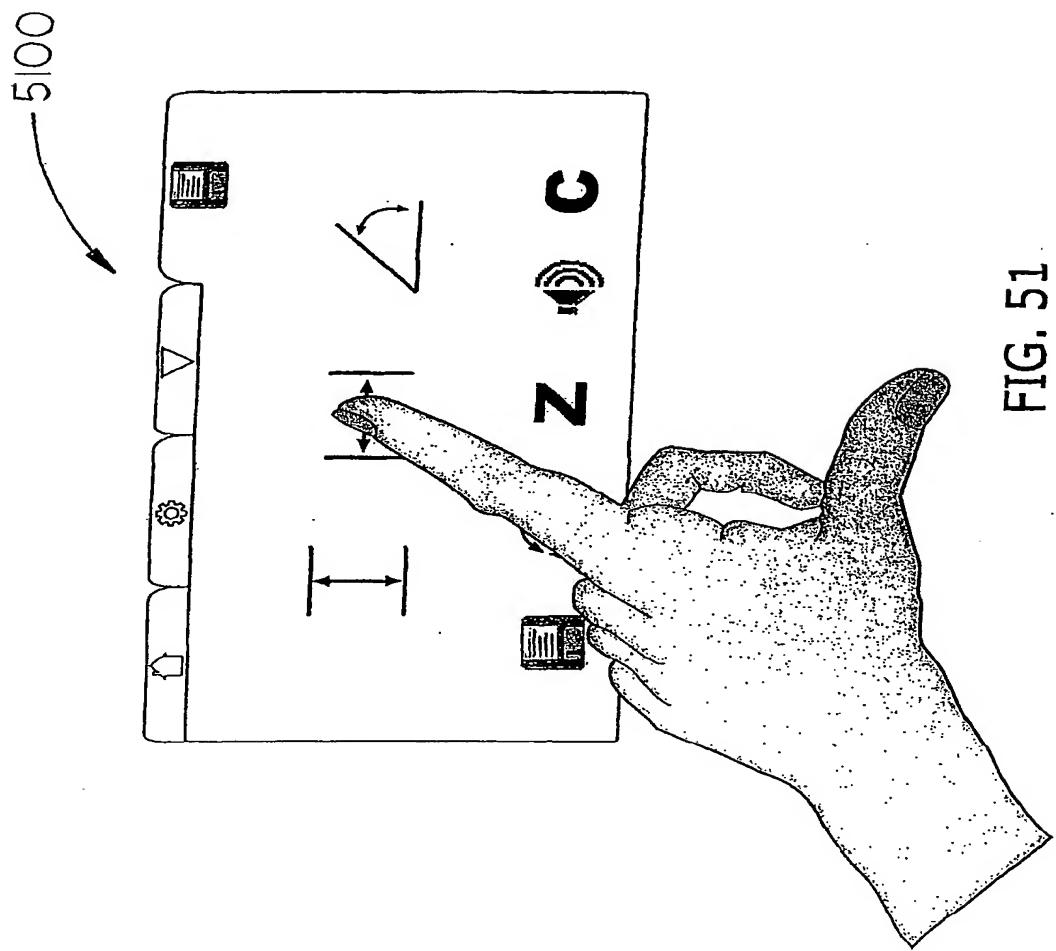
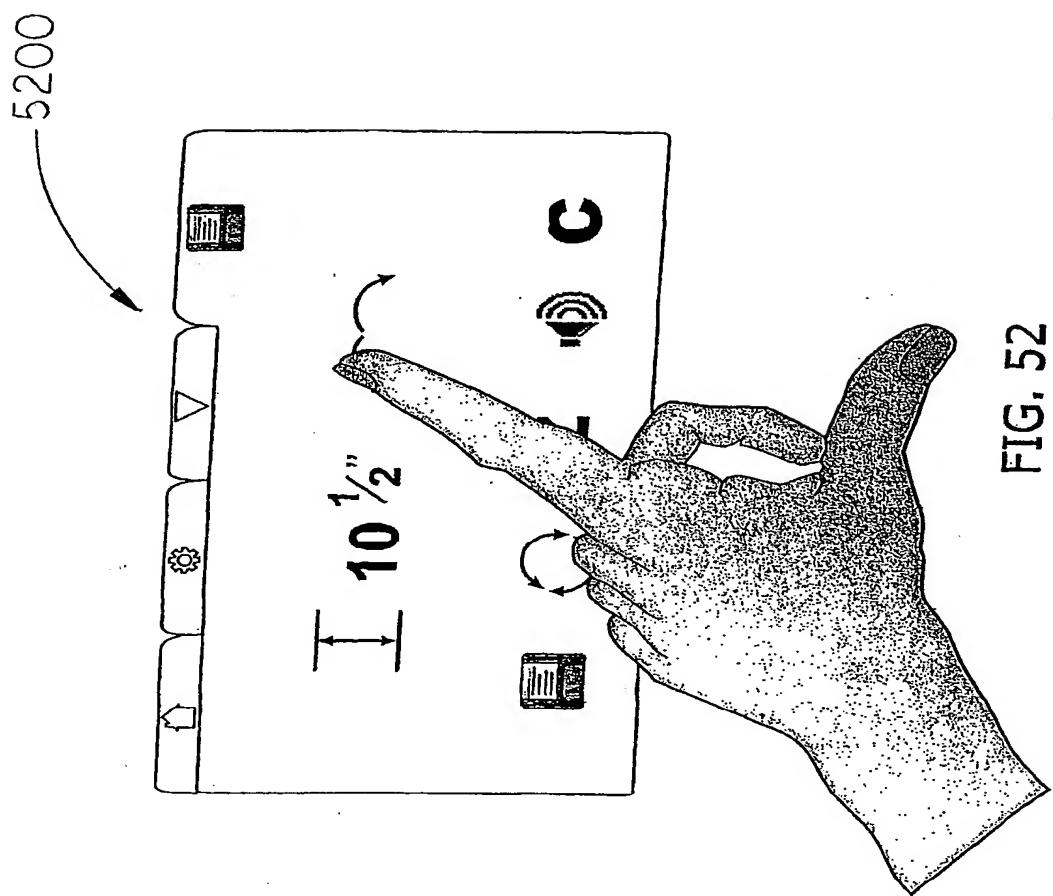


FIG. 51

FIG. 52



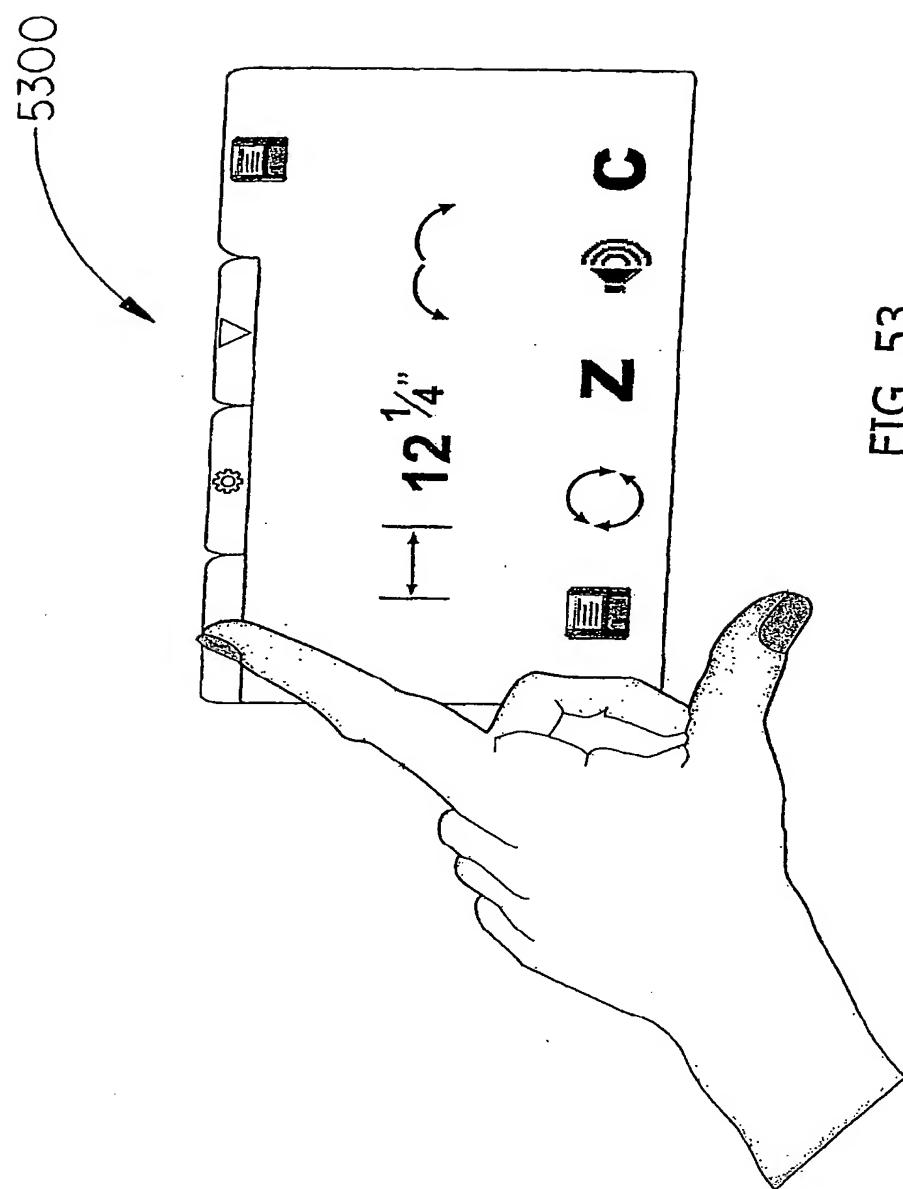


FIG. 53

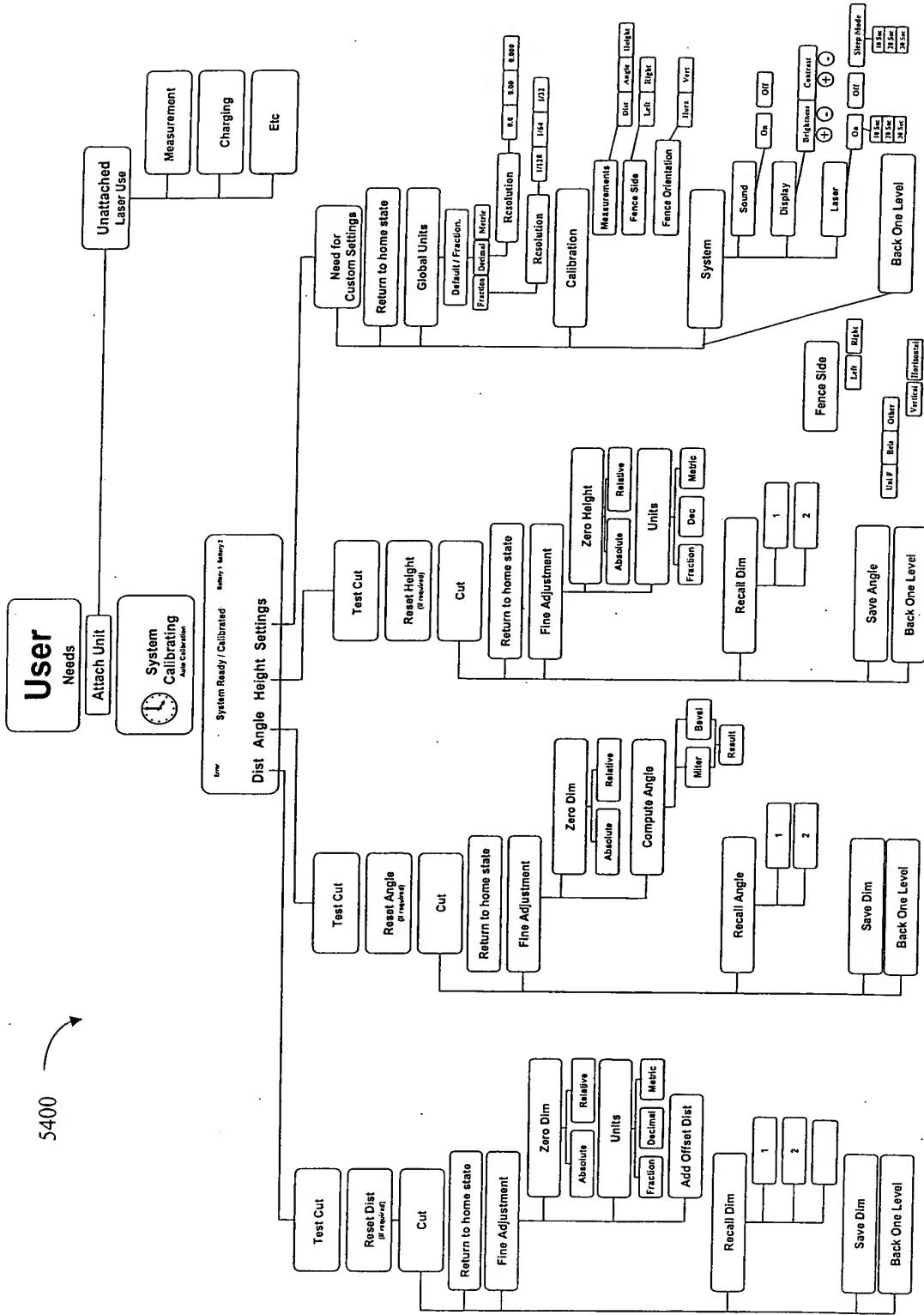


FIG. 54

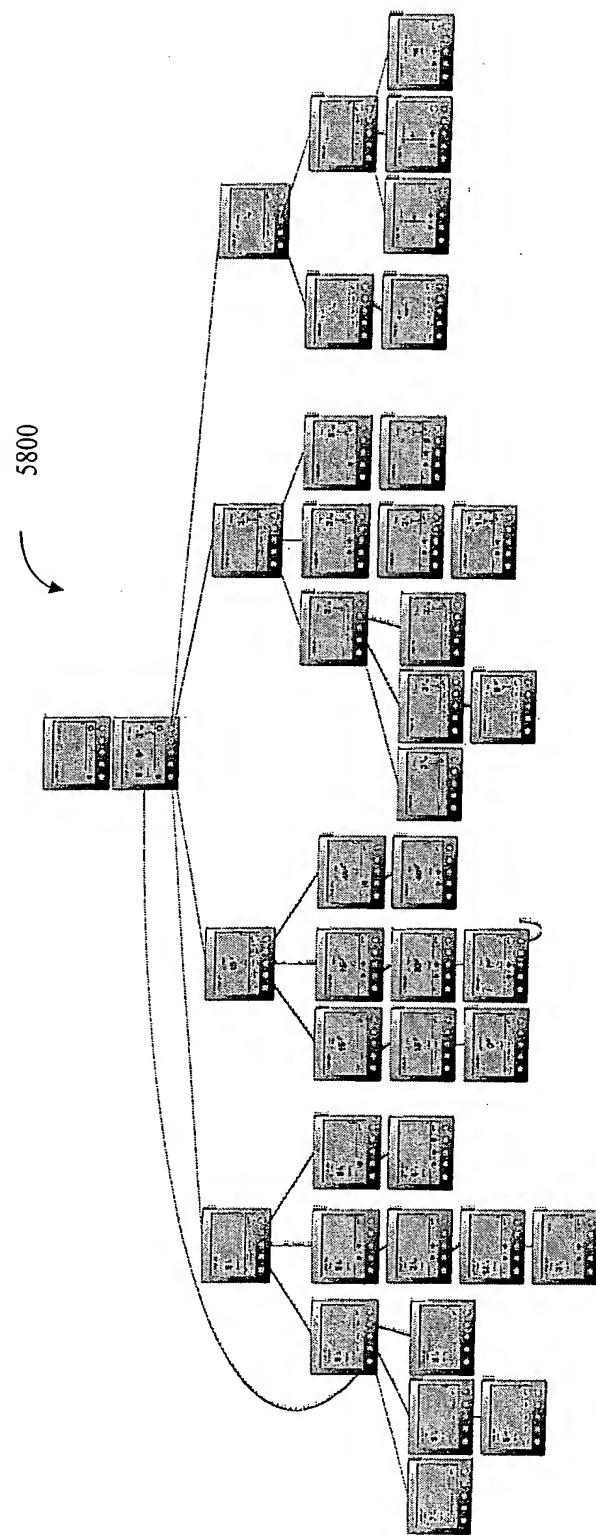
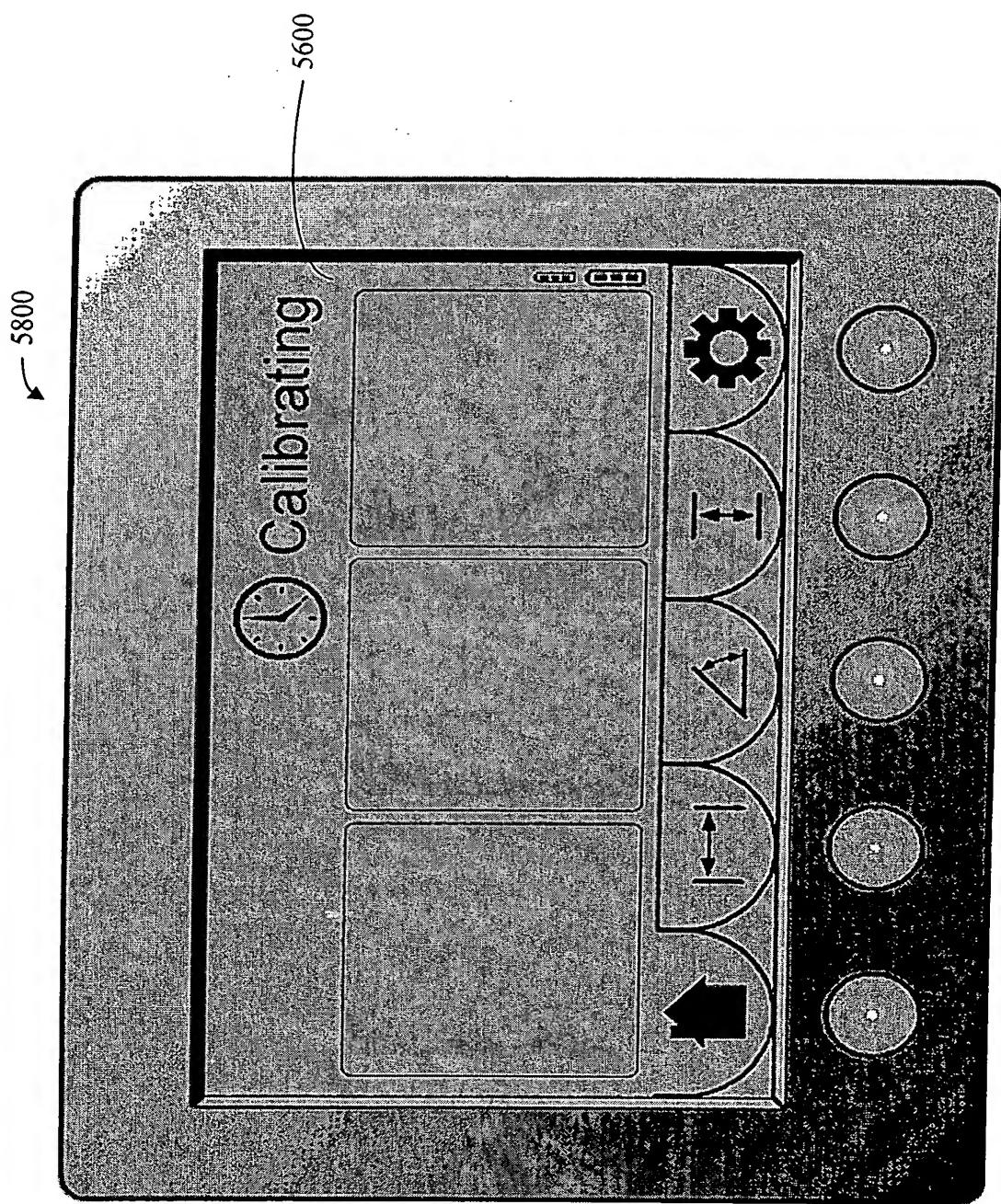


FIG. 55

FIG. 56



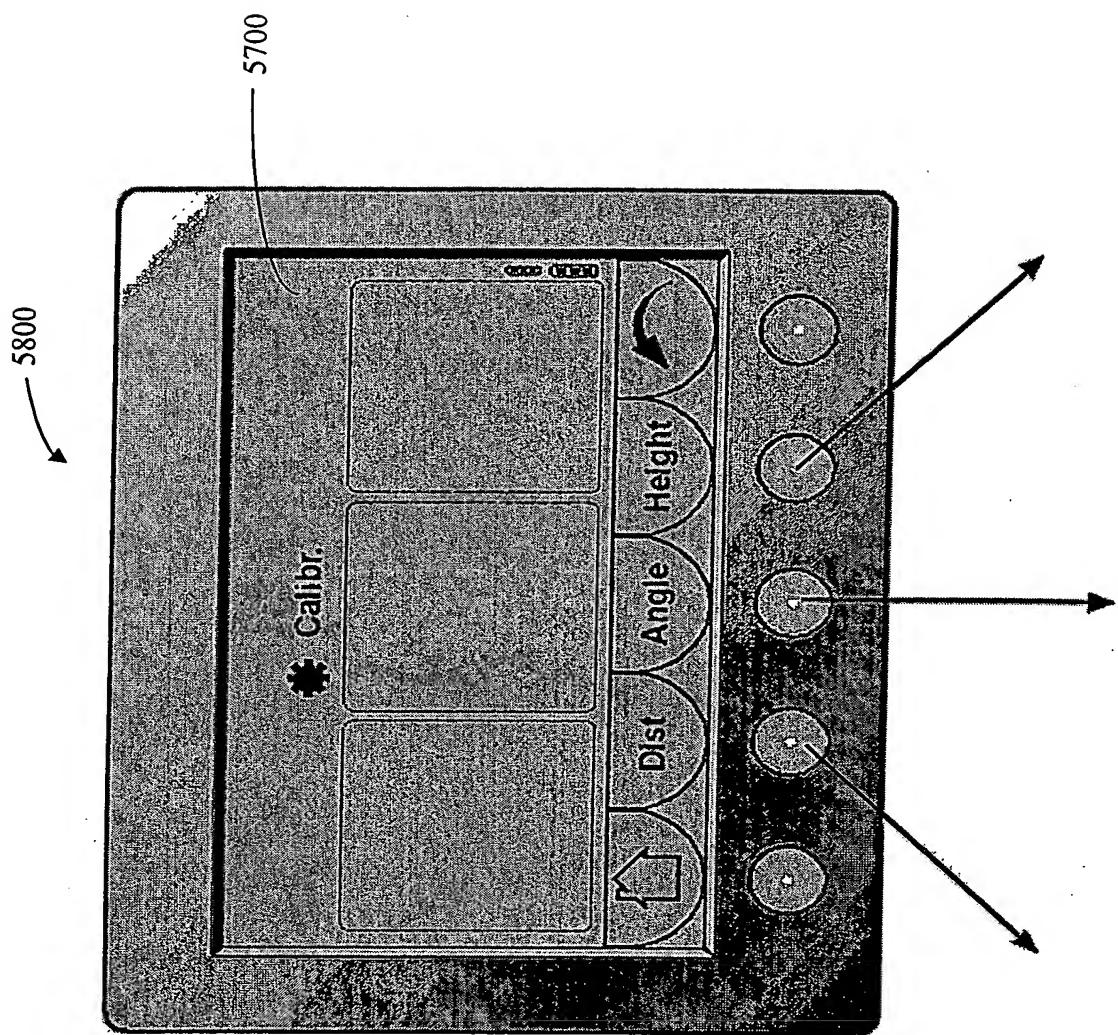


FIG. 57

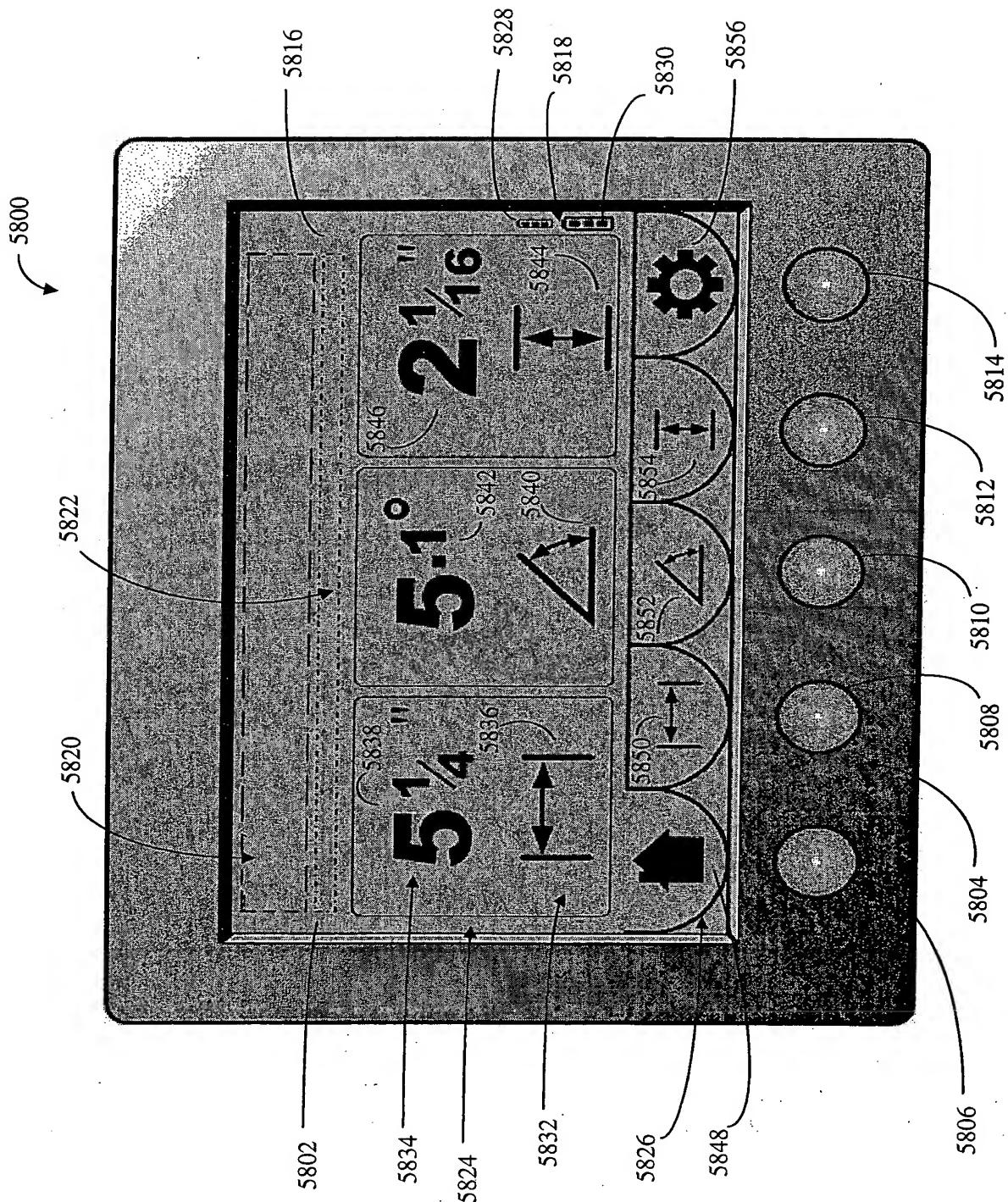


FIG. 58

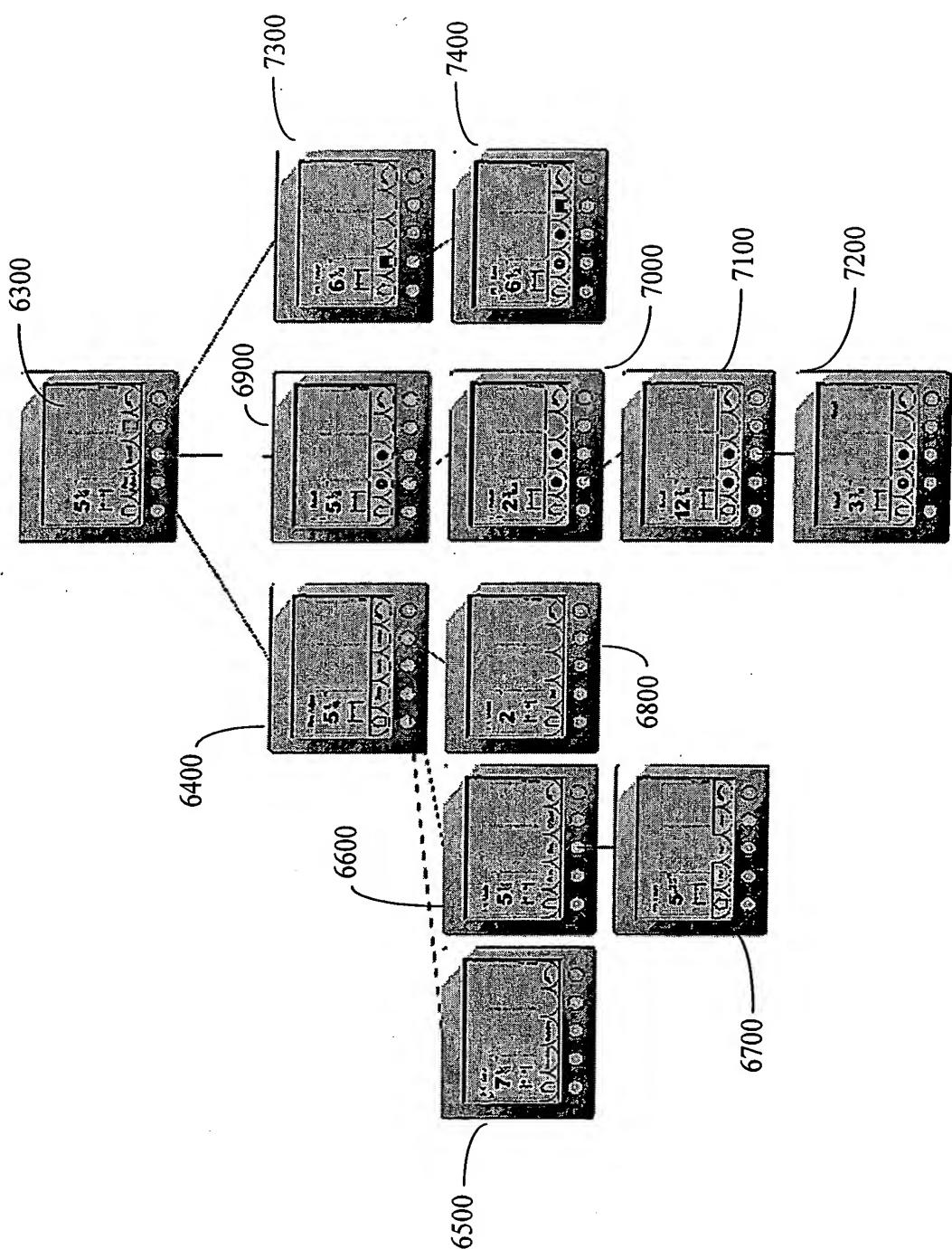


FIG. 59

FIG. 60

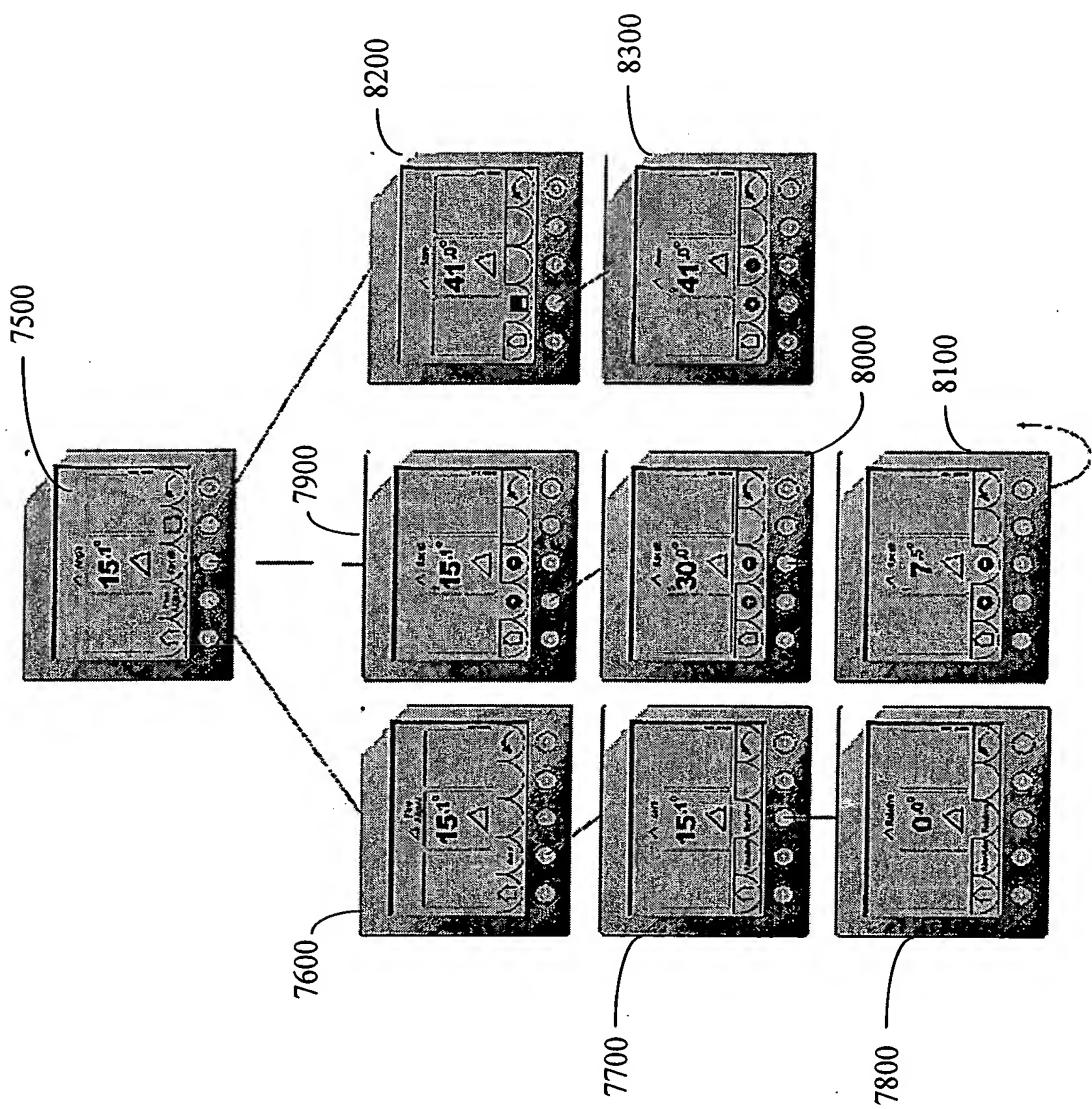
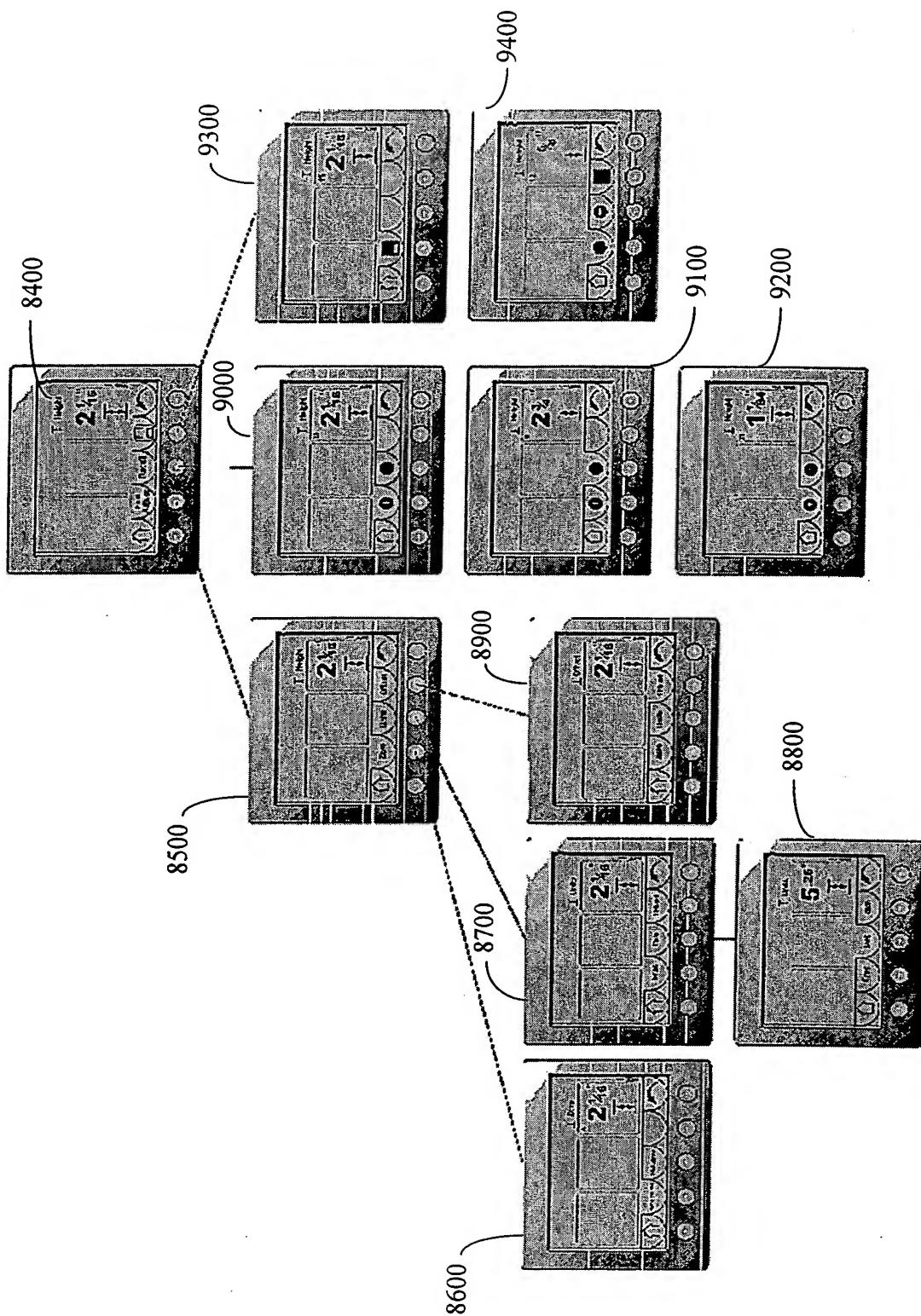


FIG. 61



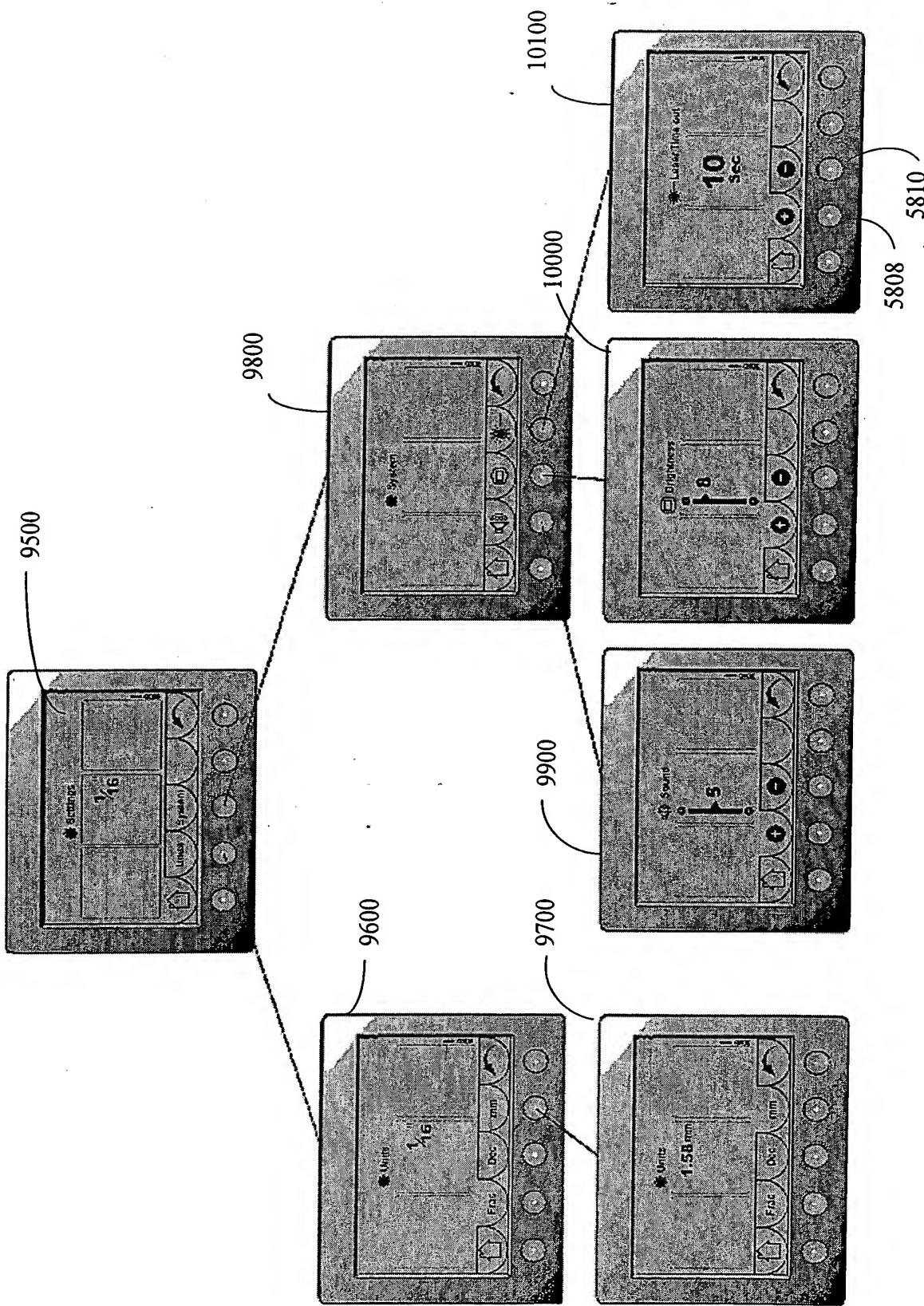


FIG. 62

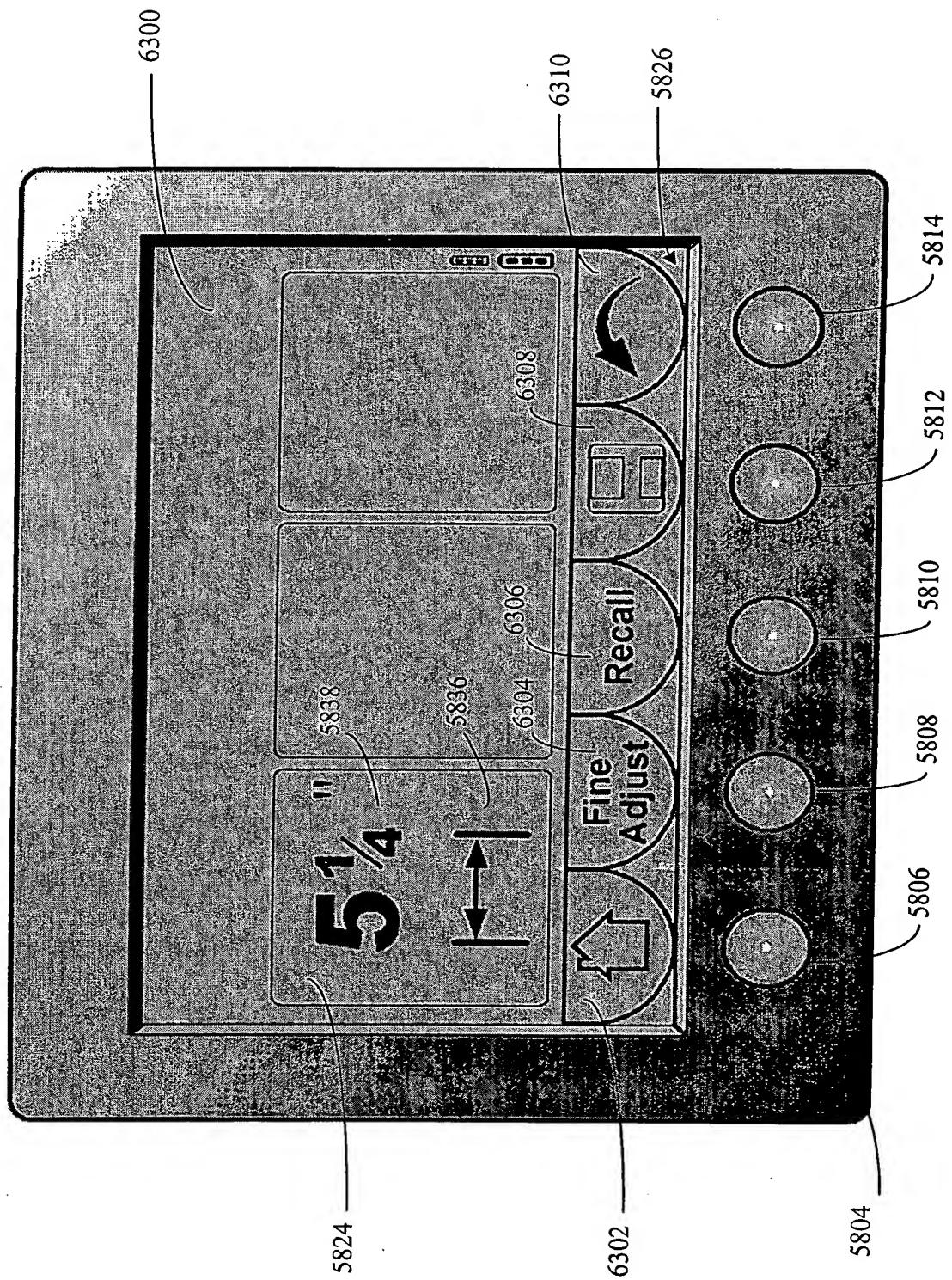


FIG. 63

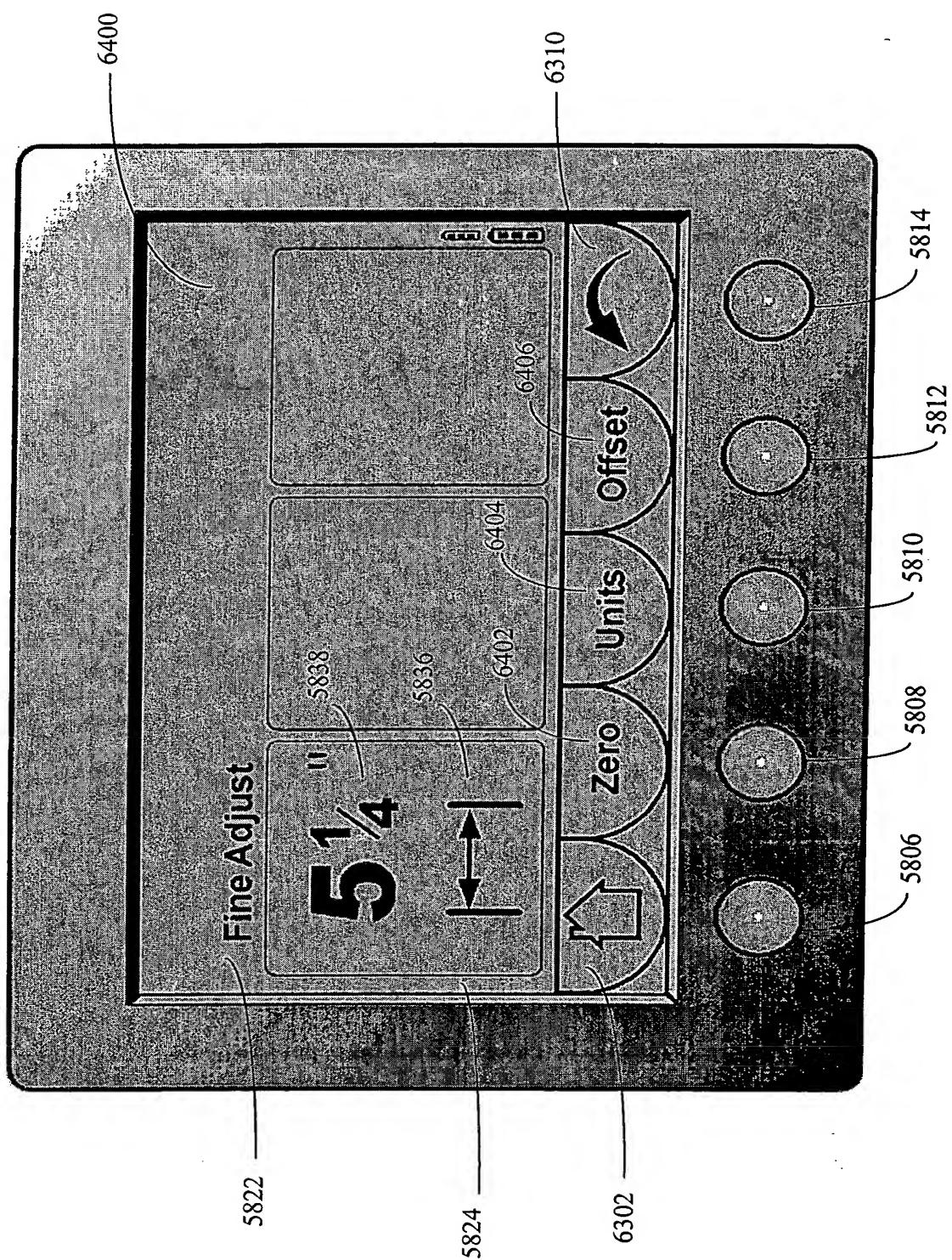


FIG. 64

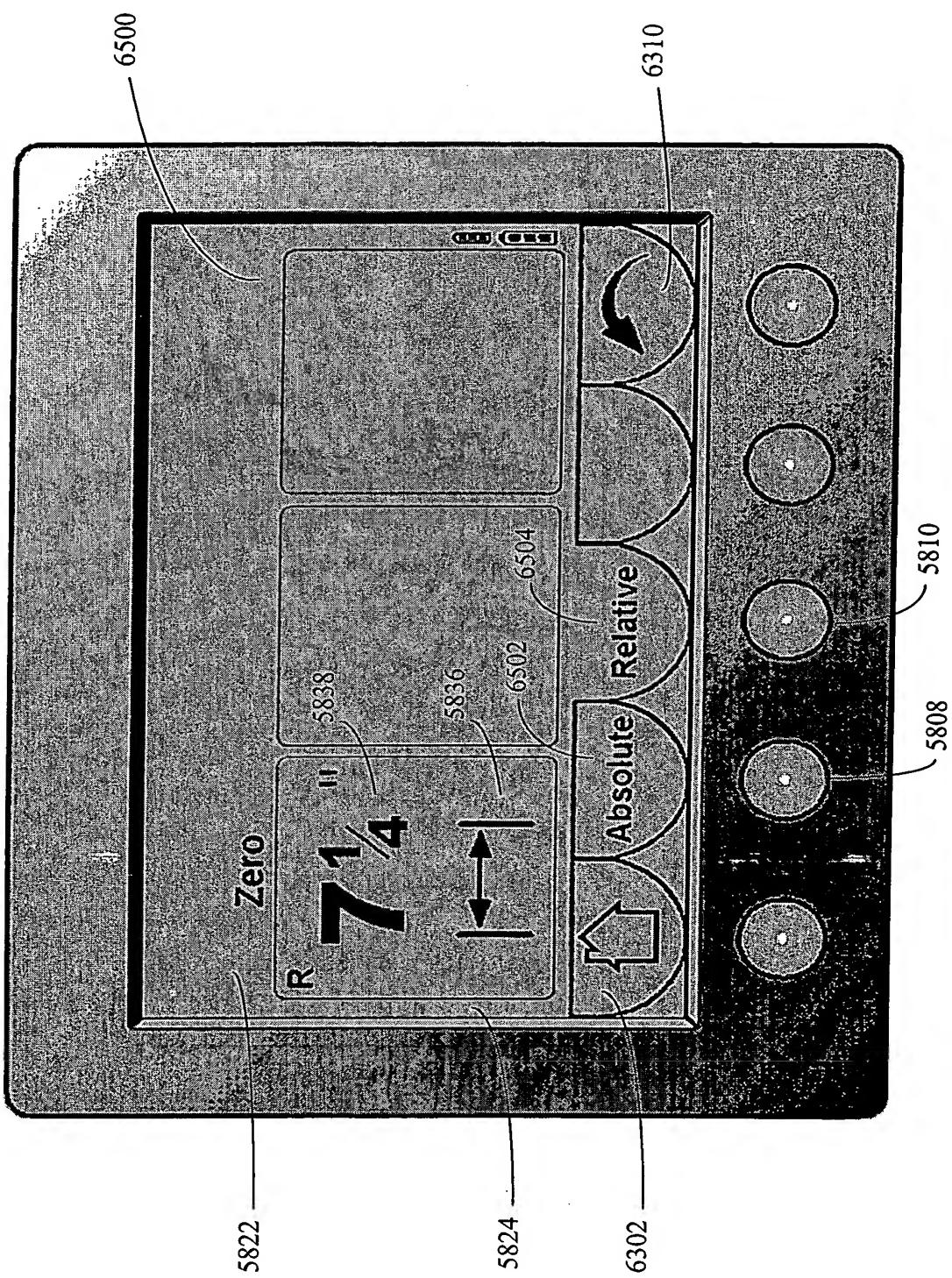


FIG. 65

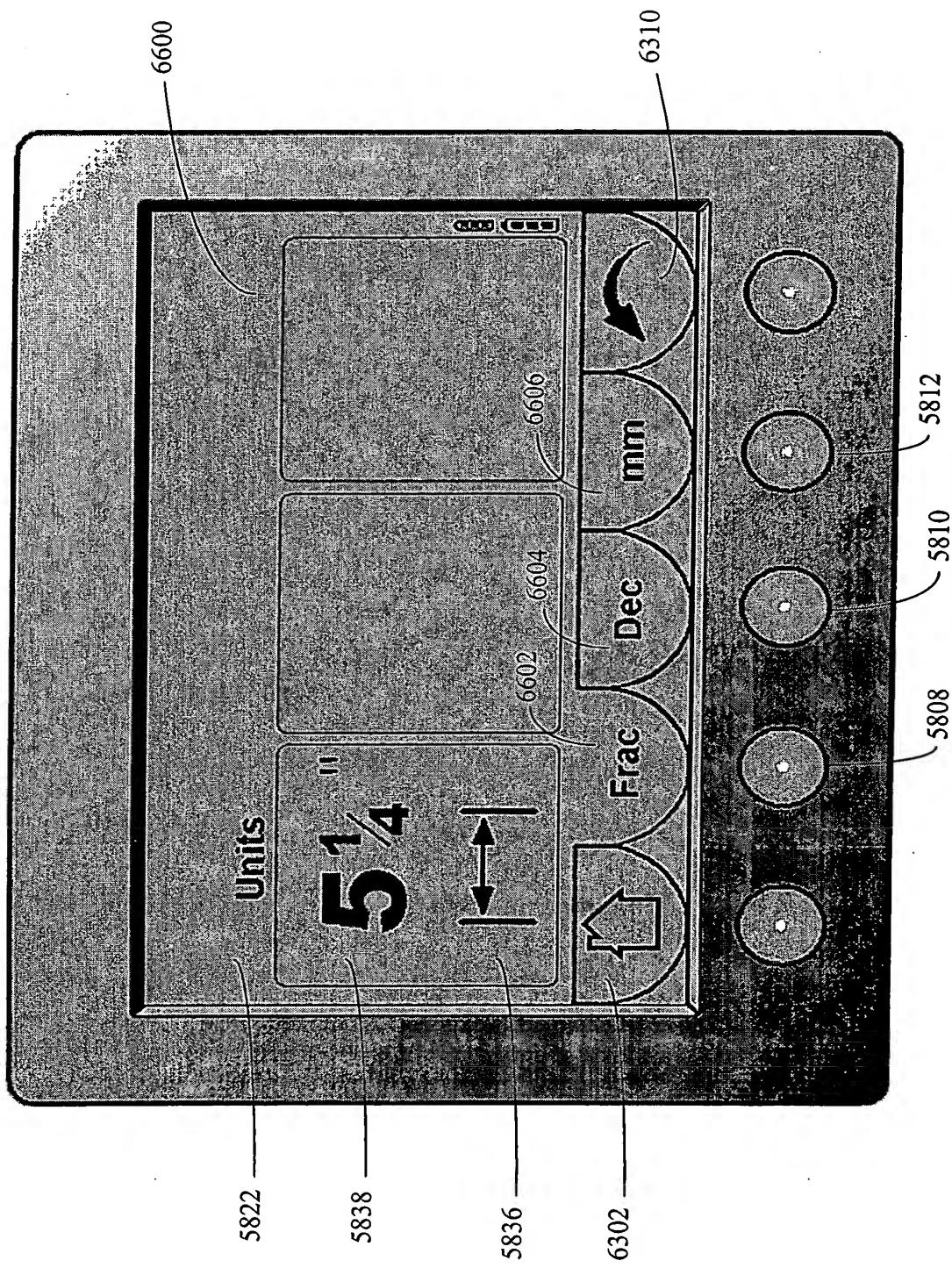


FIG. 66

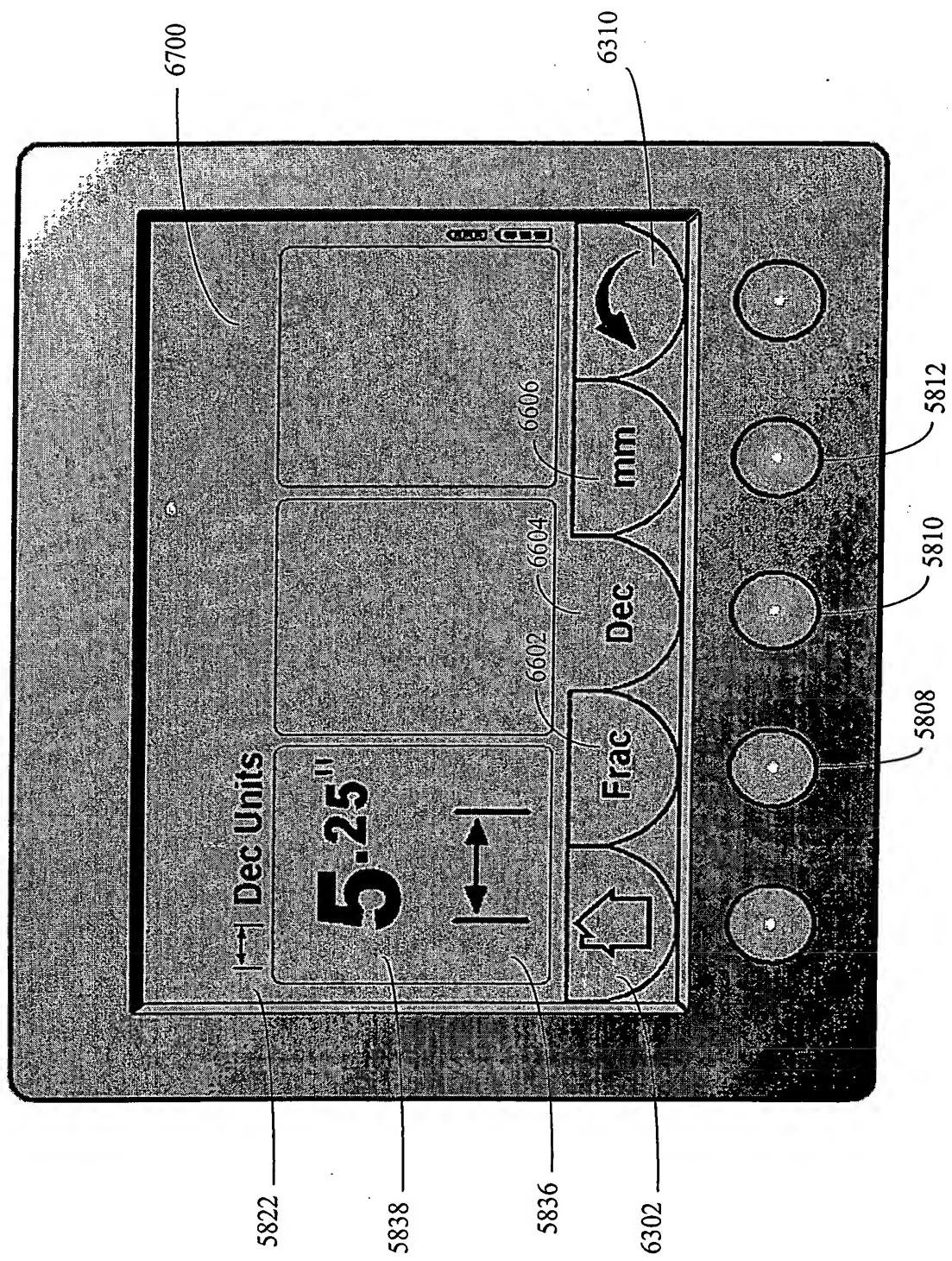
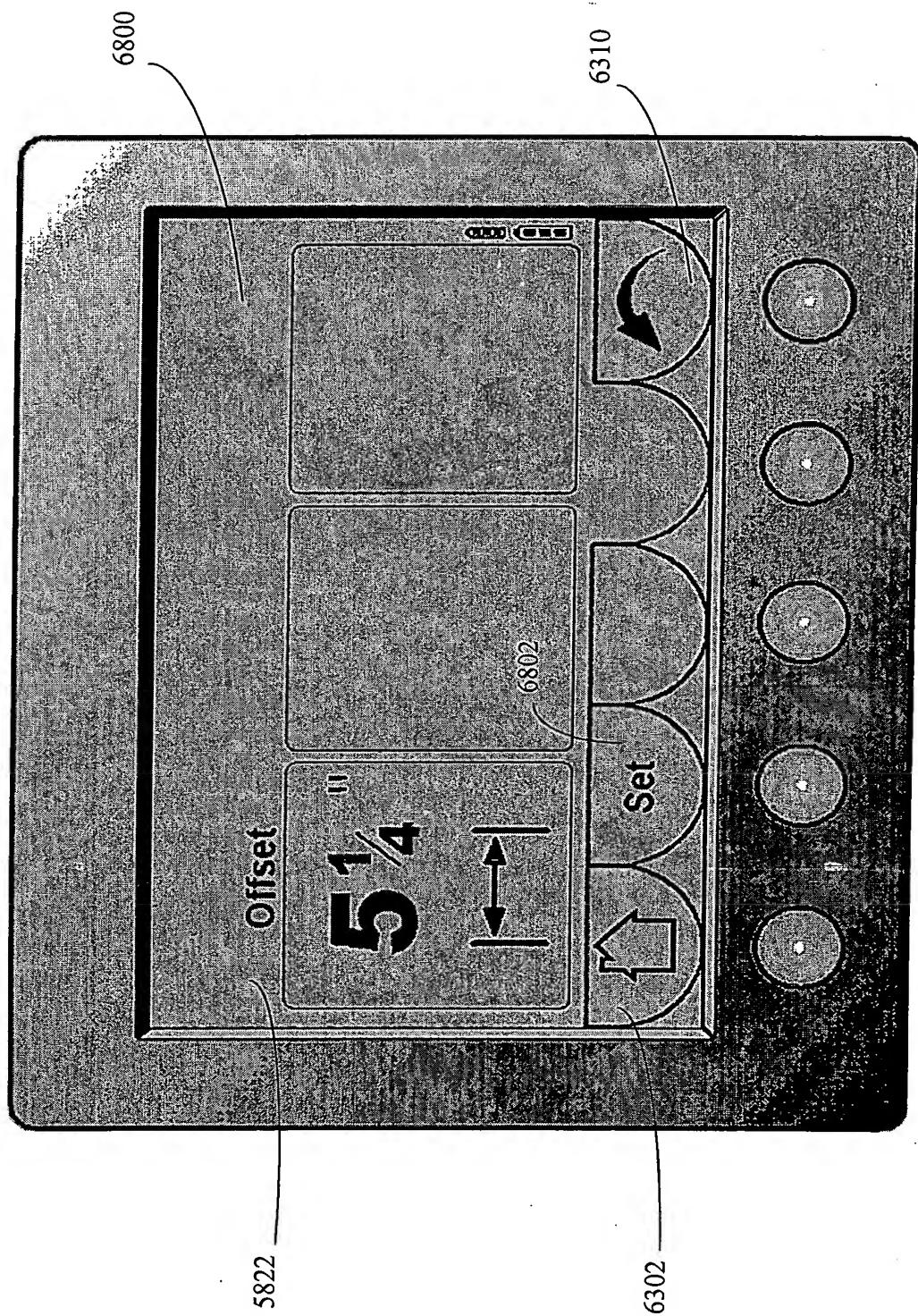


FIG. 67

FIG. 68



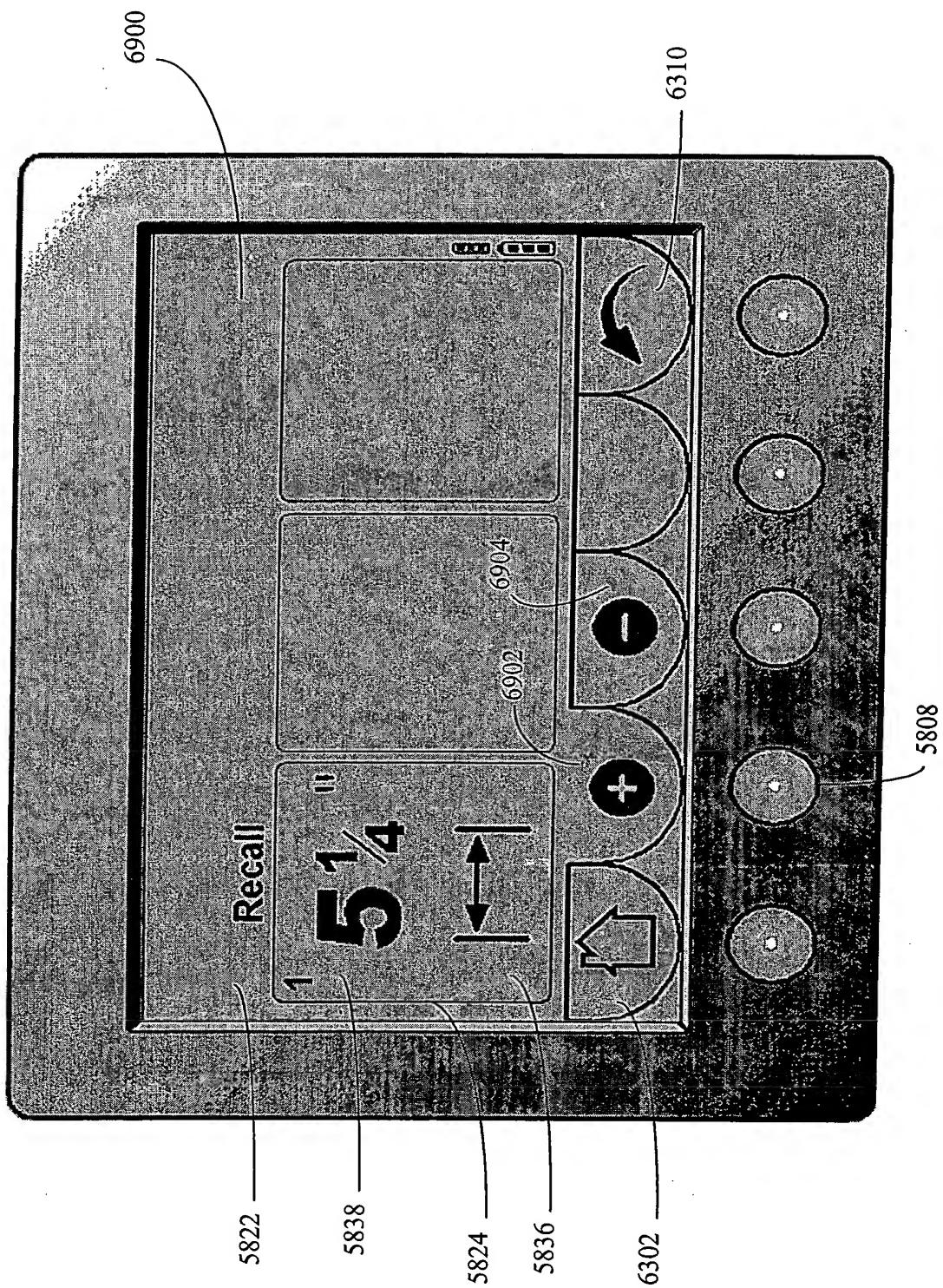


FIG. 69

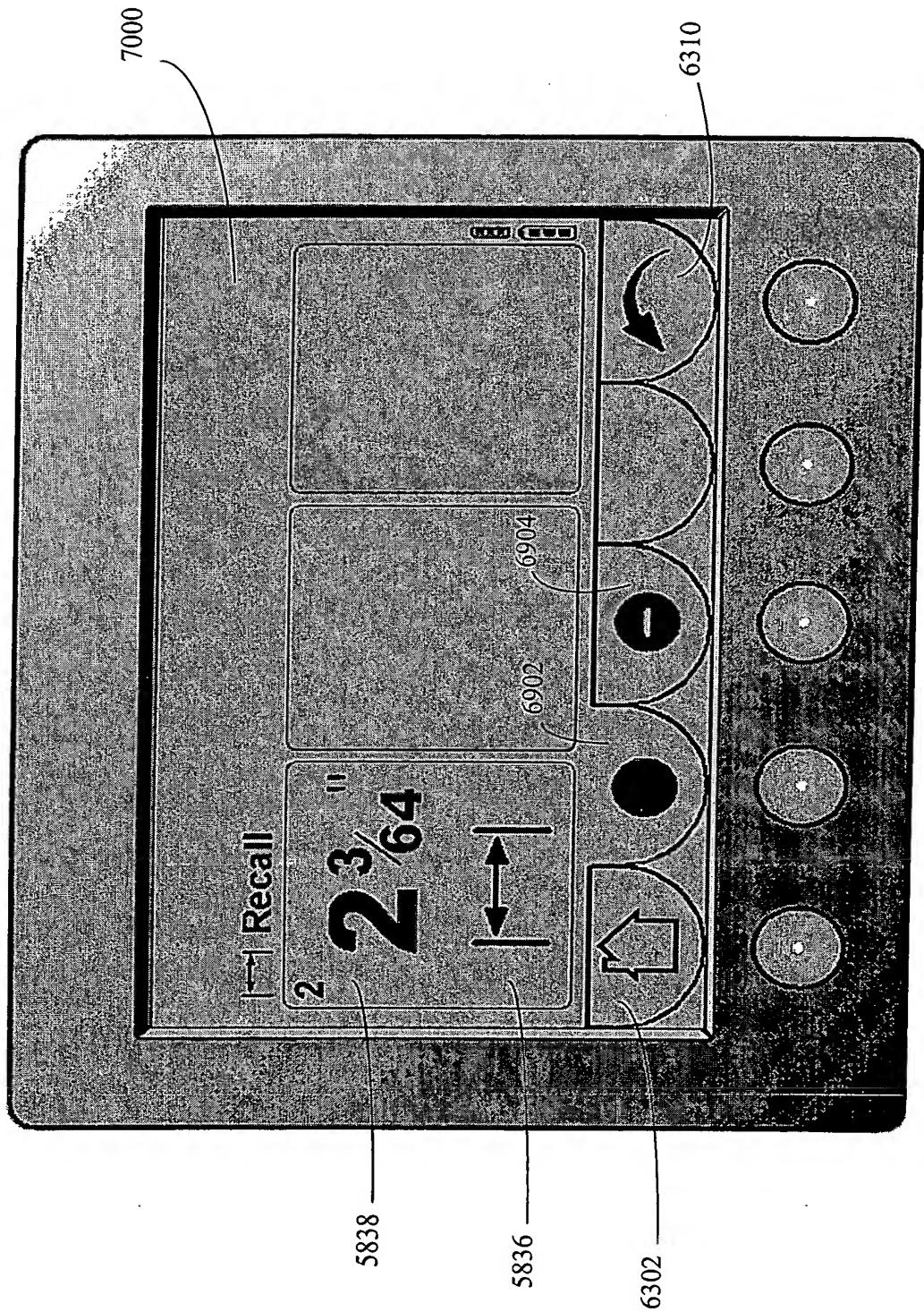


FIG. 70

FIG. 71

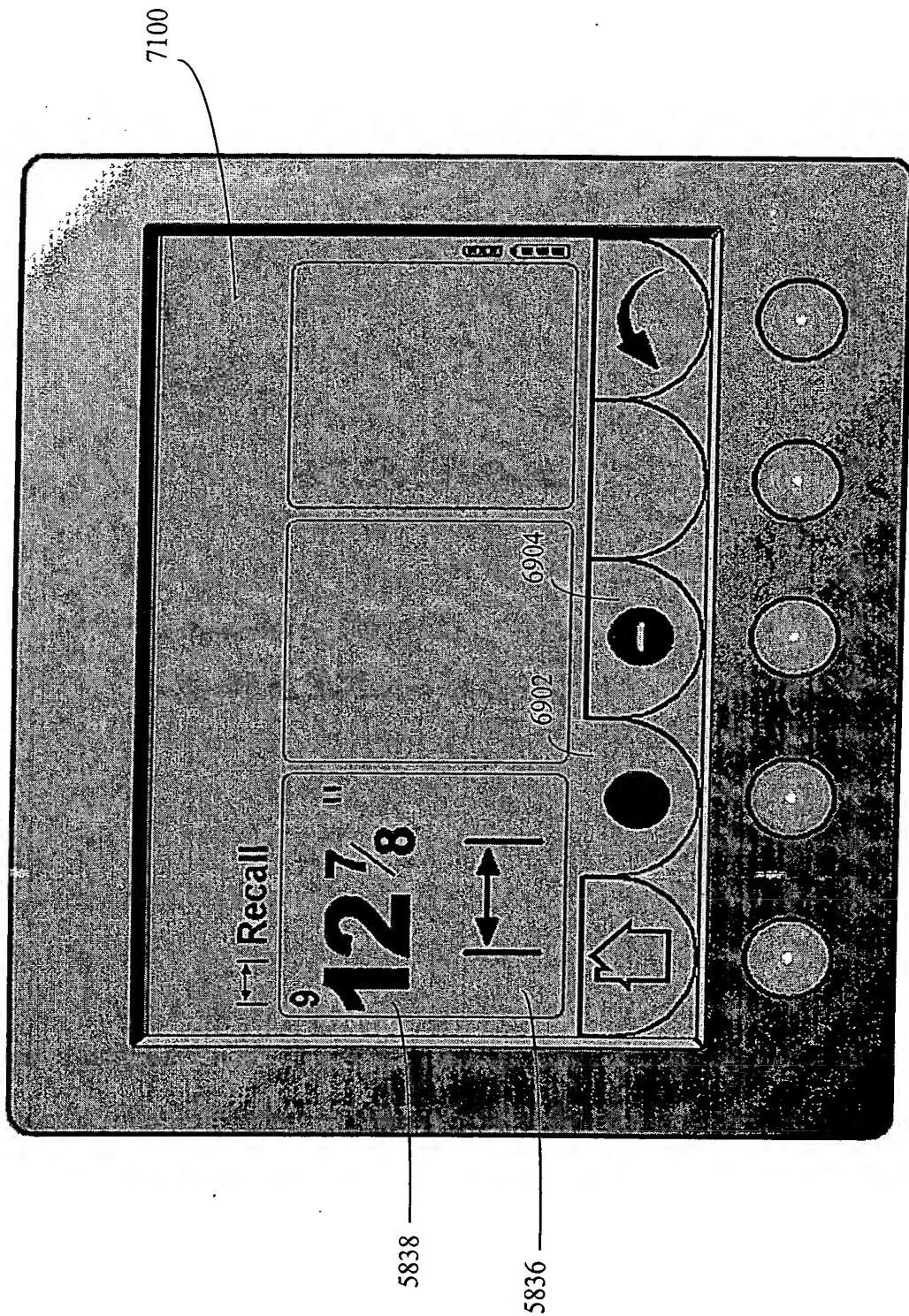
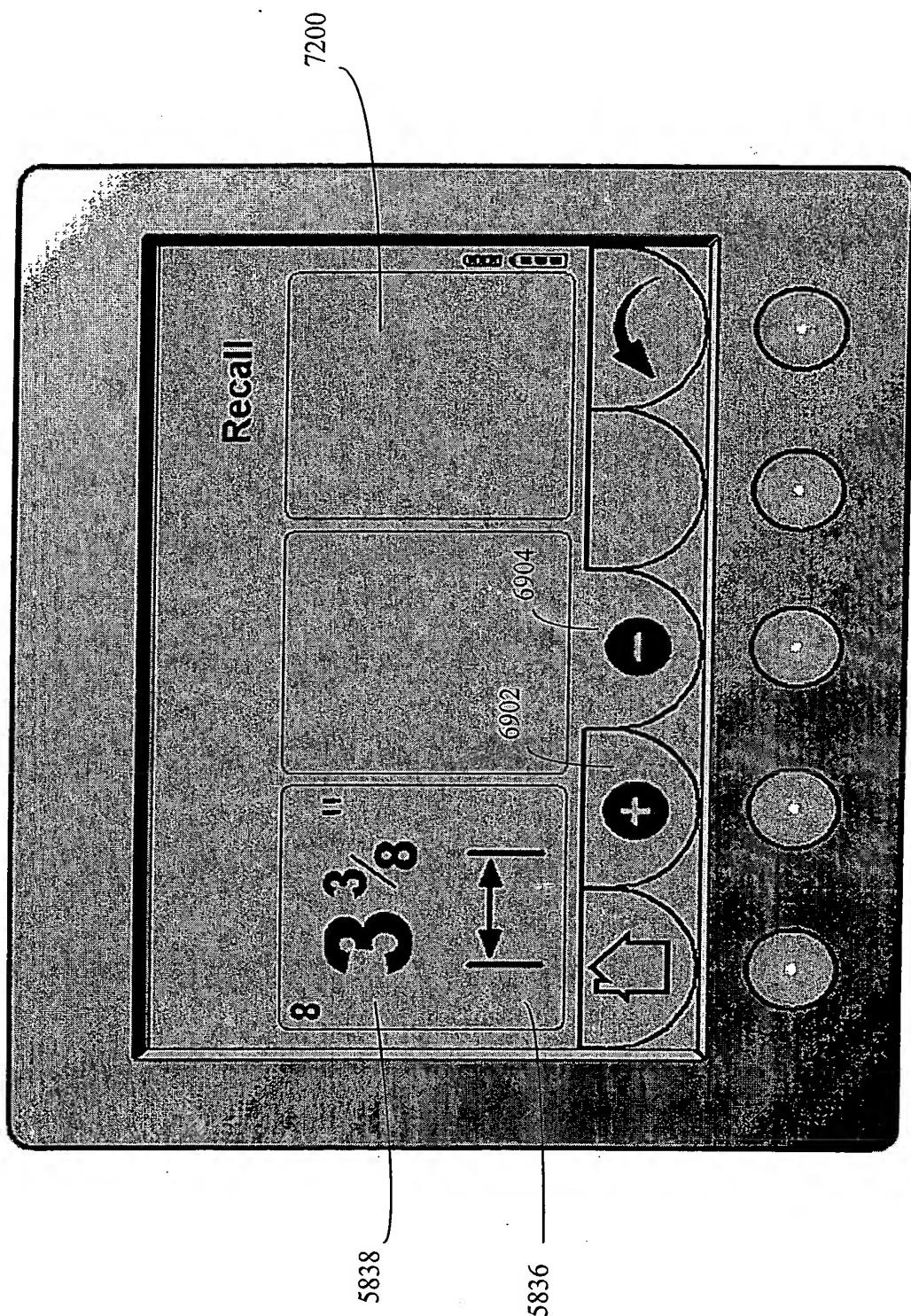


FIG. 72



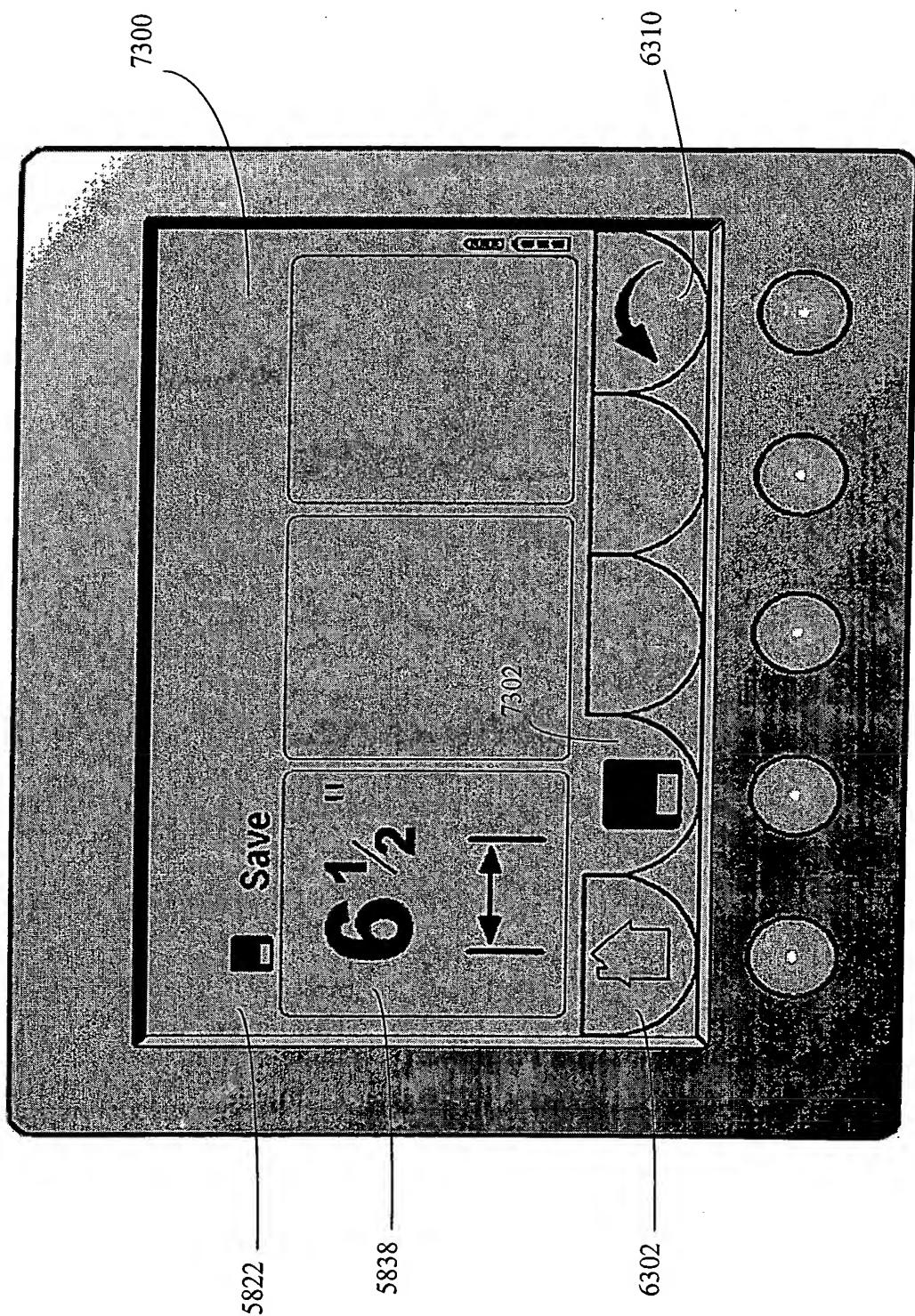
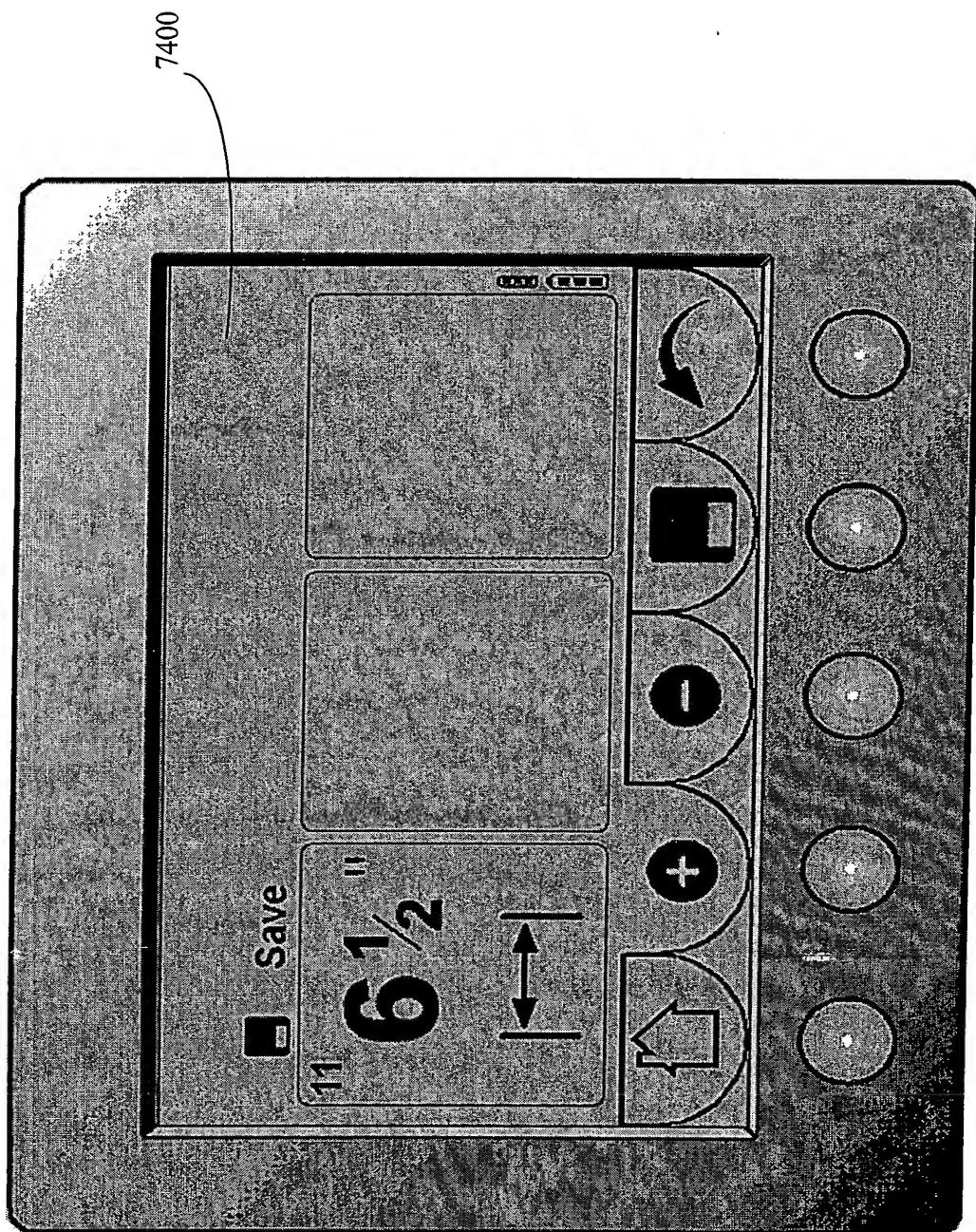


FIG. 73

FIG. 74



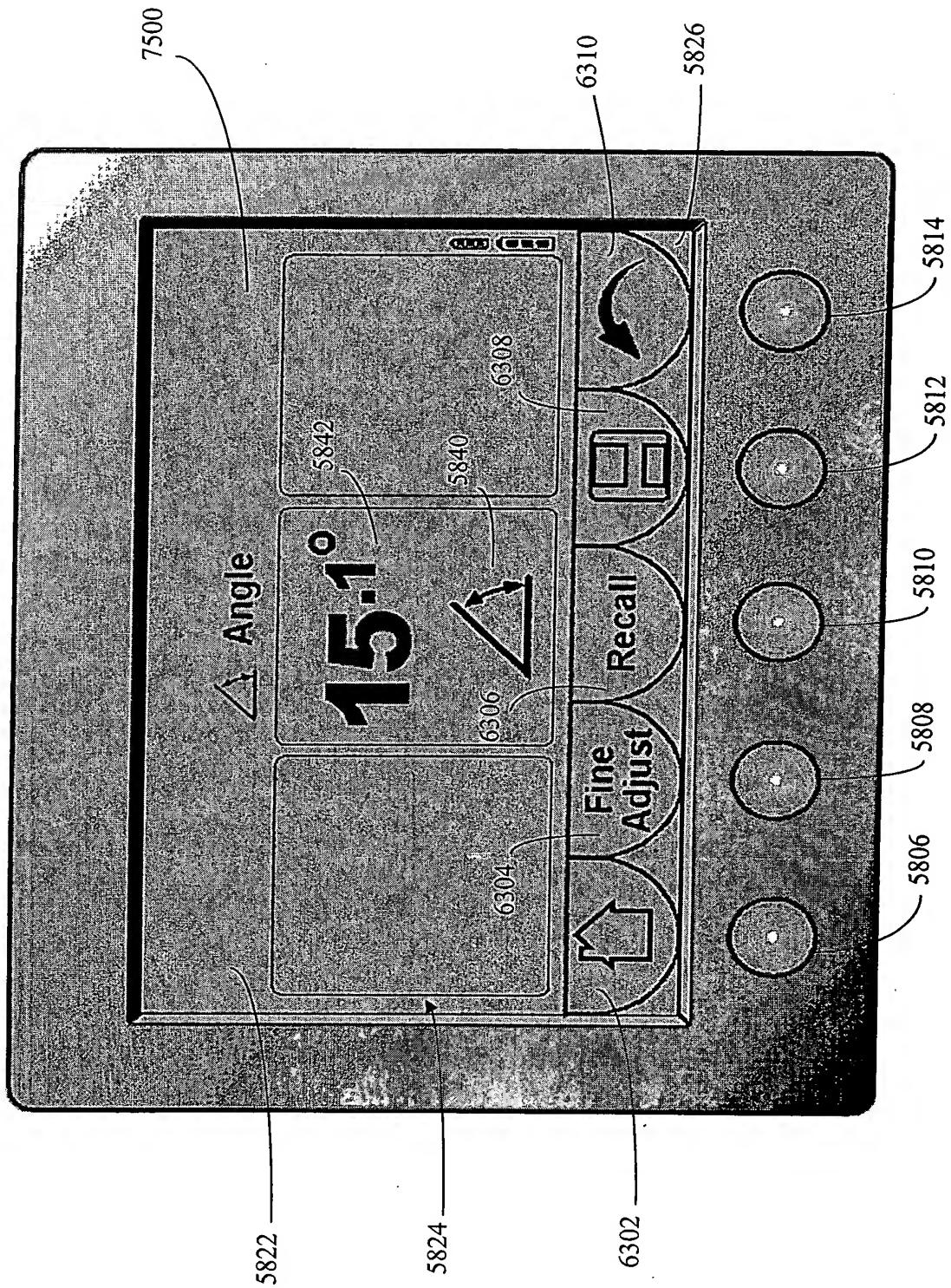


FIG. 75

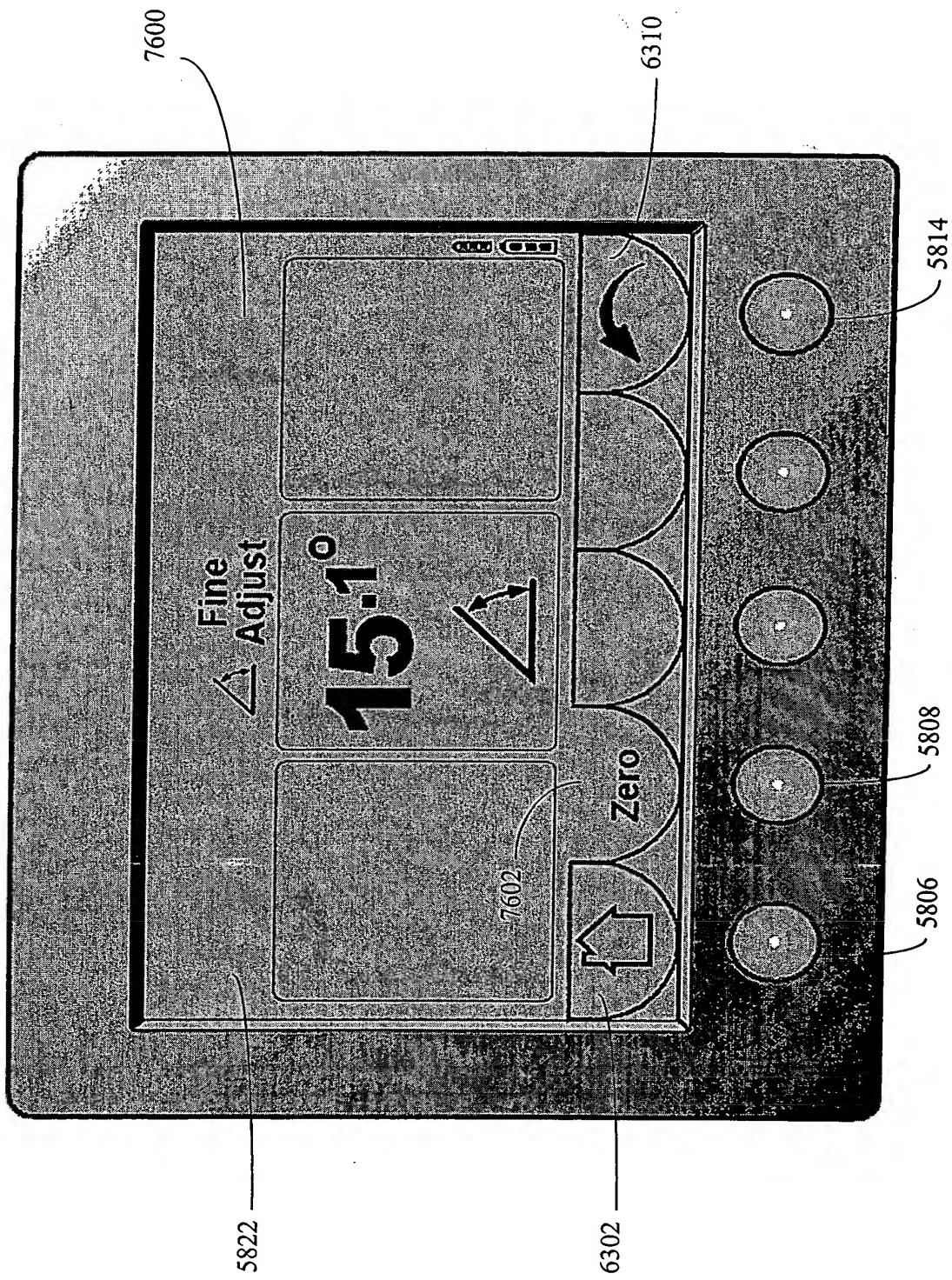


FIG. 76

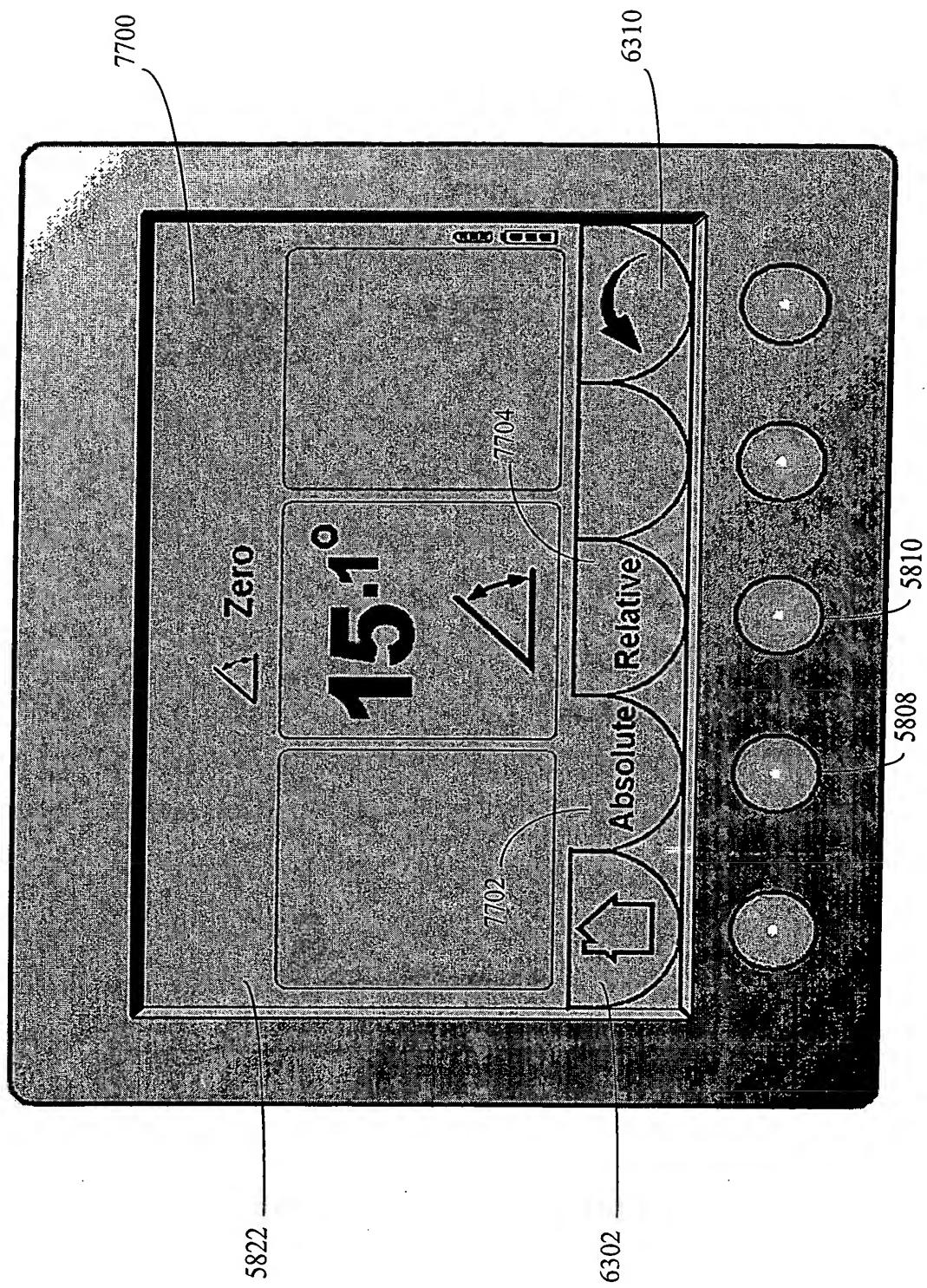


FIG. 77

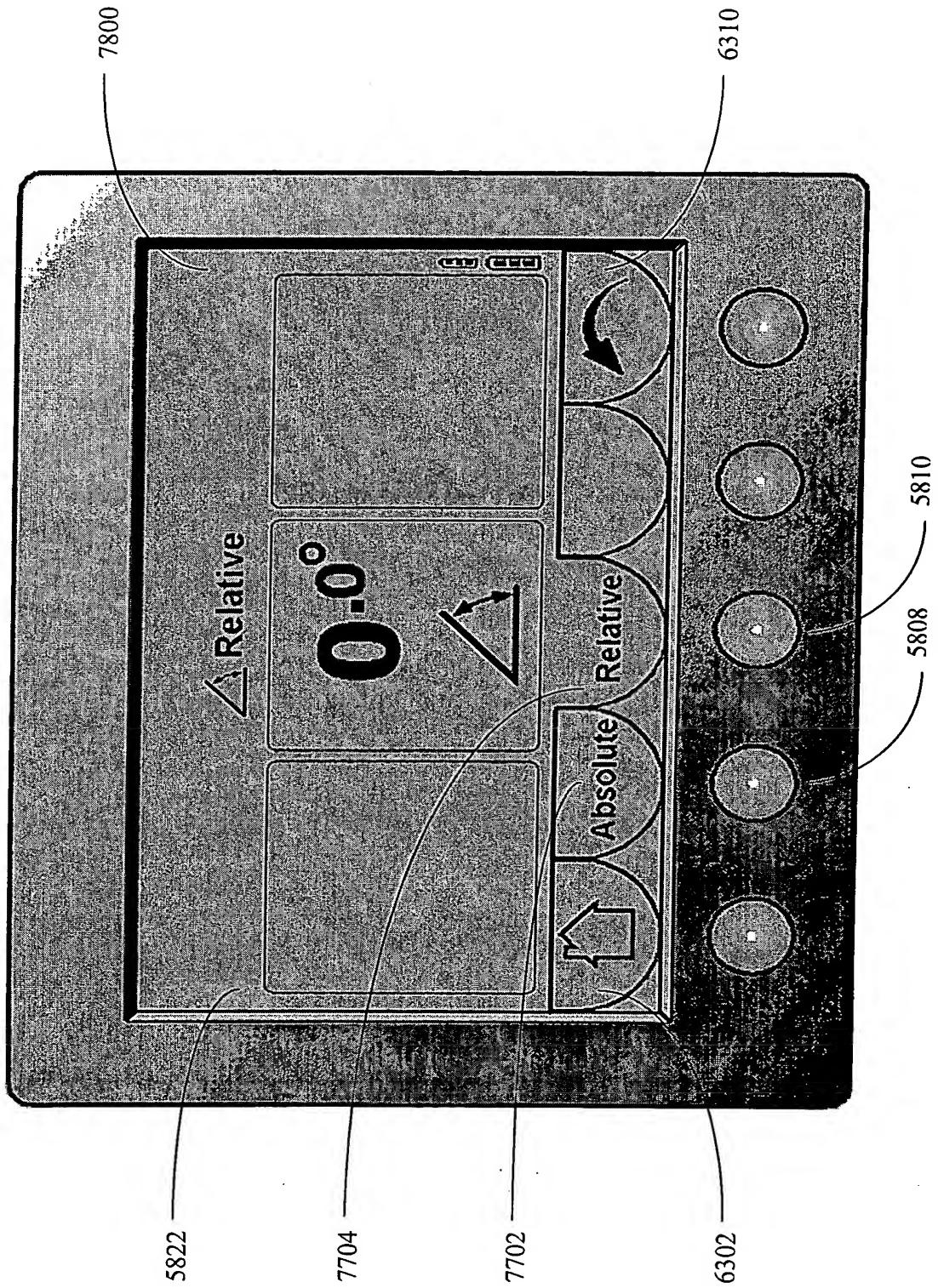


FIG. 78

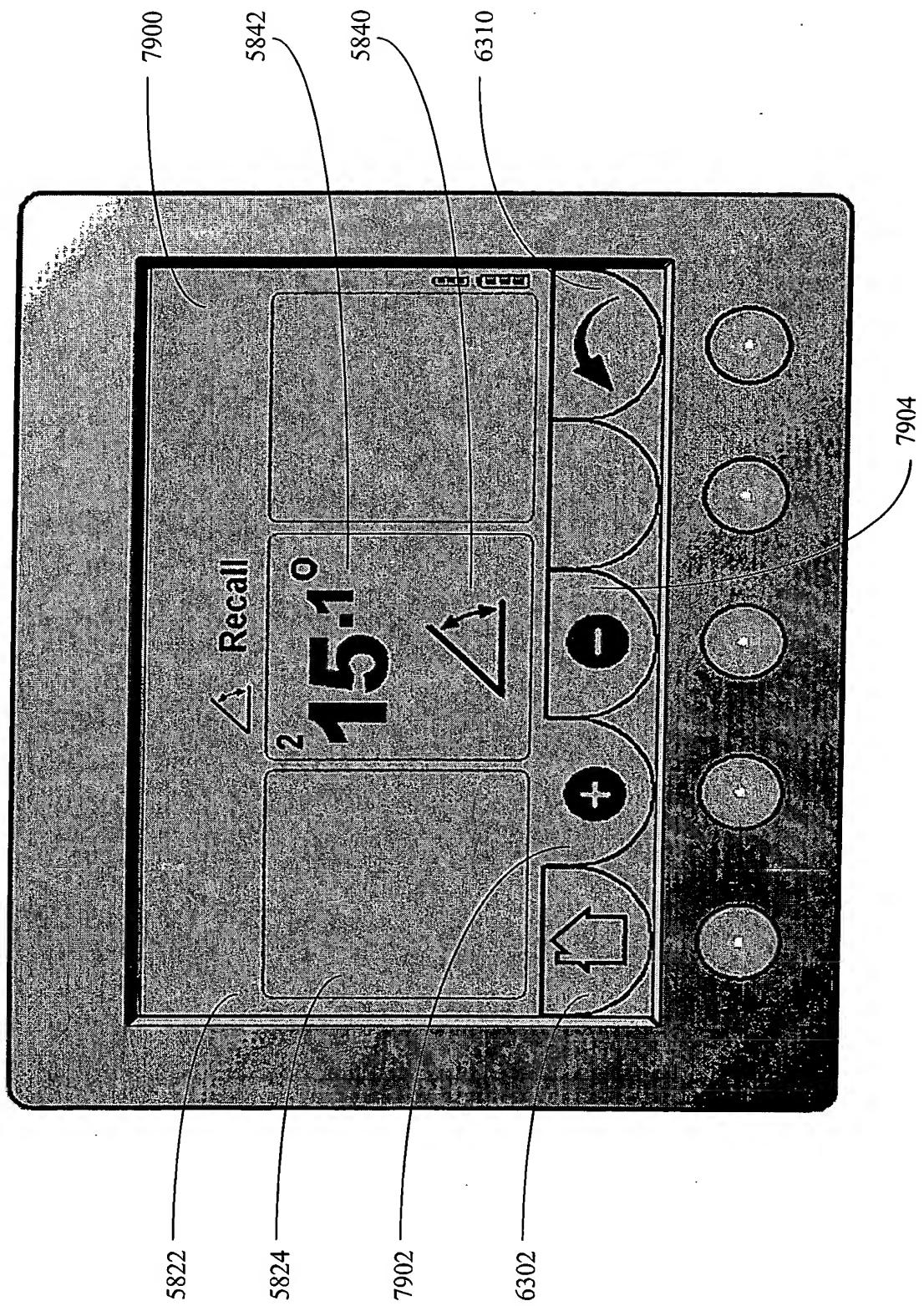


FIG. 79

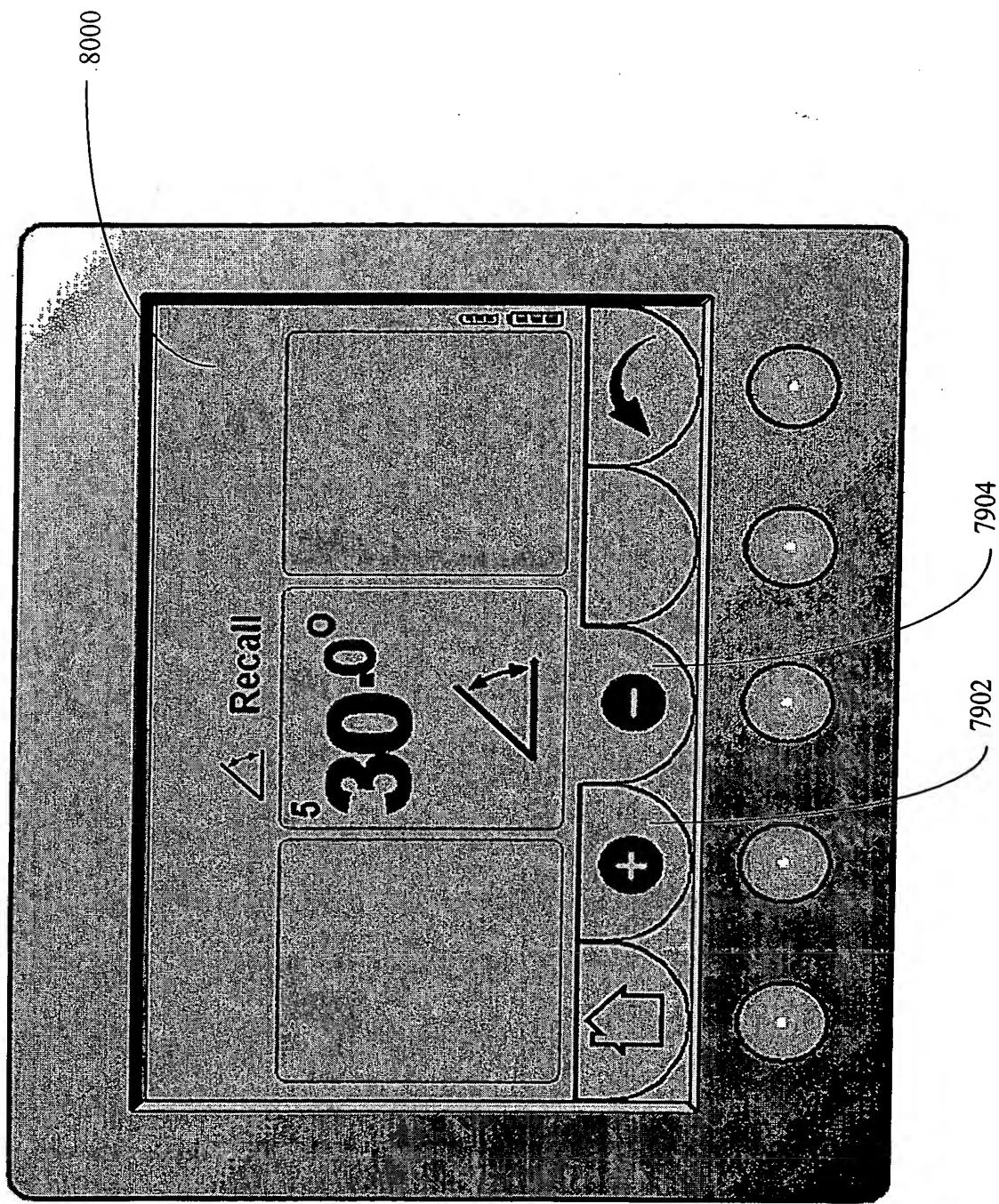


FIG. 80

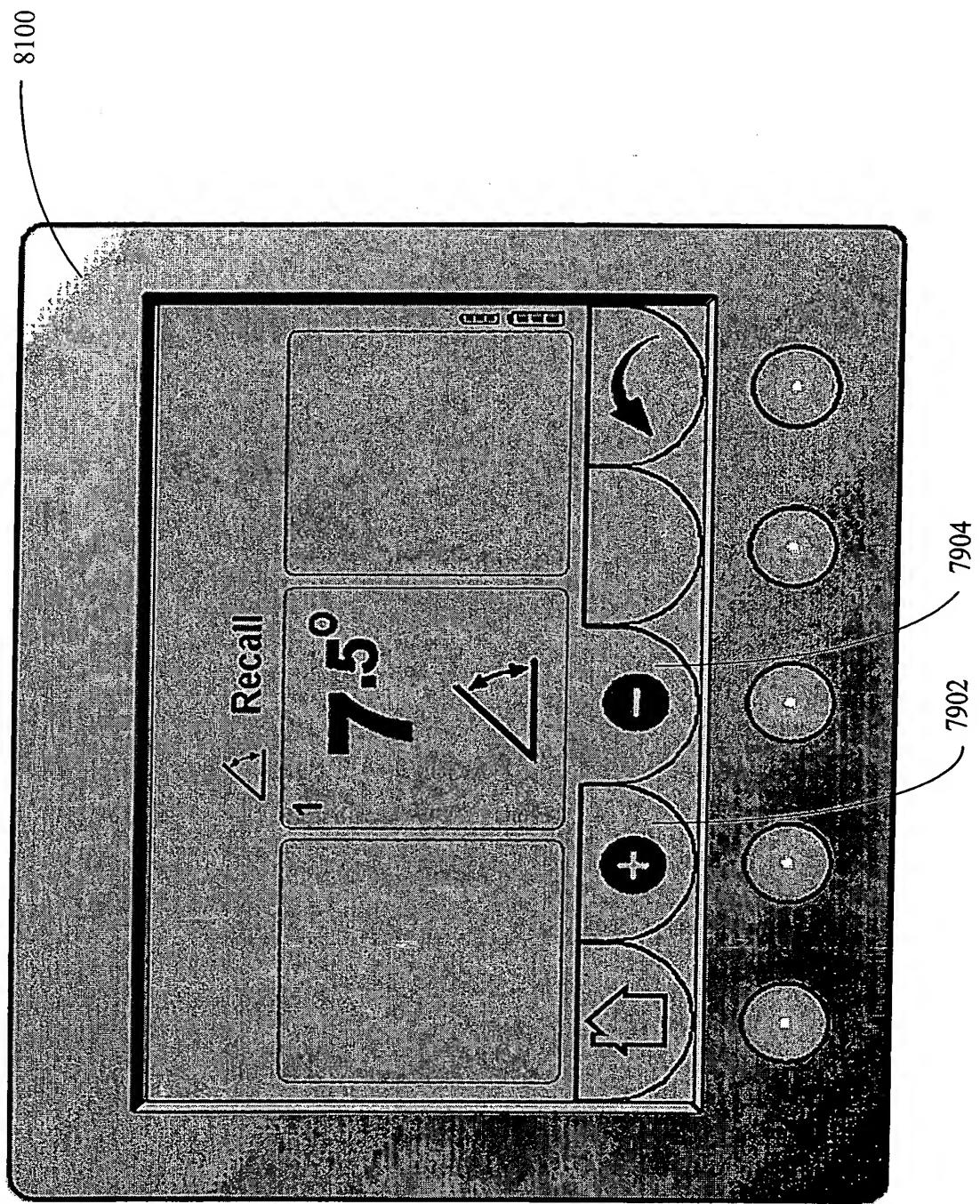


FIG. 81

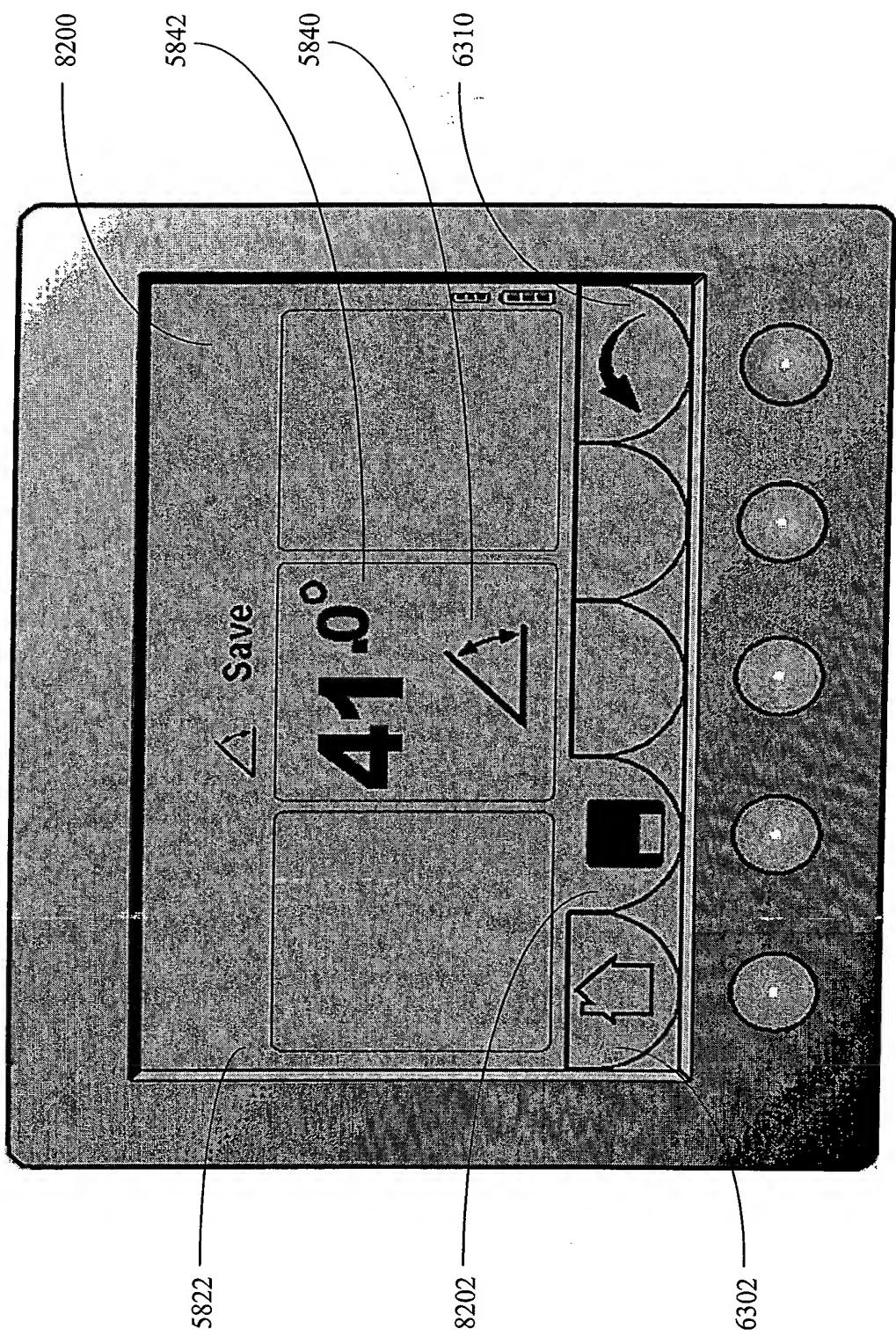
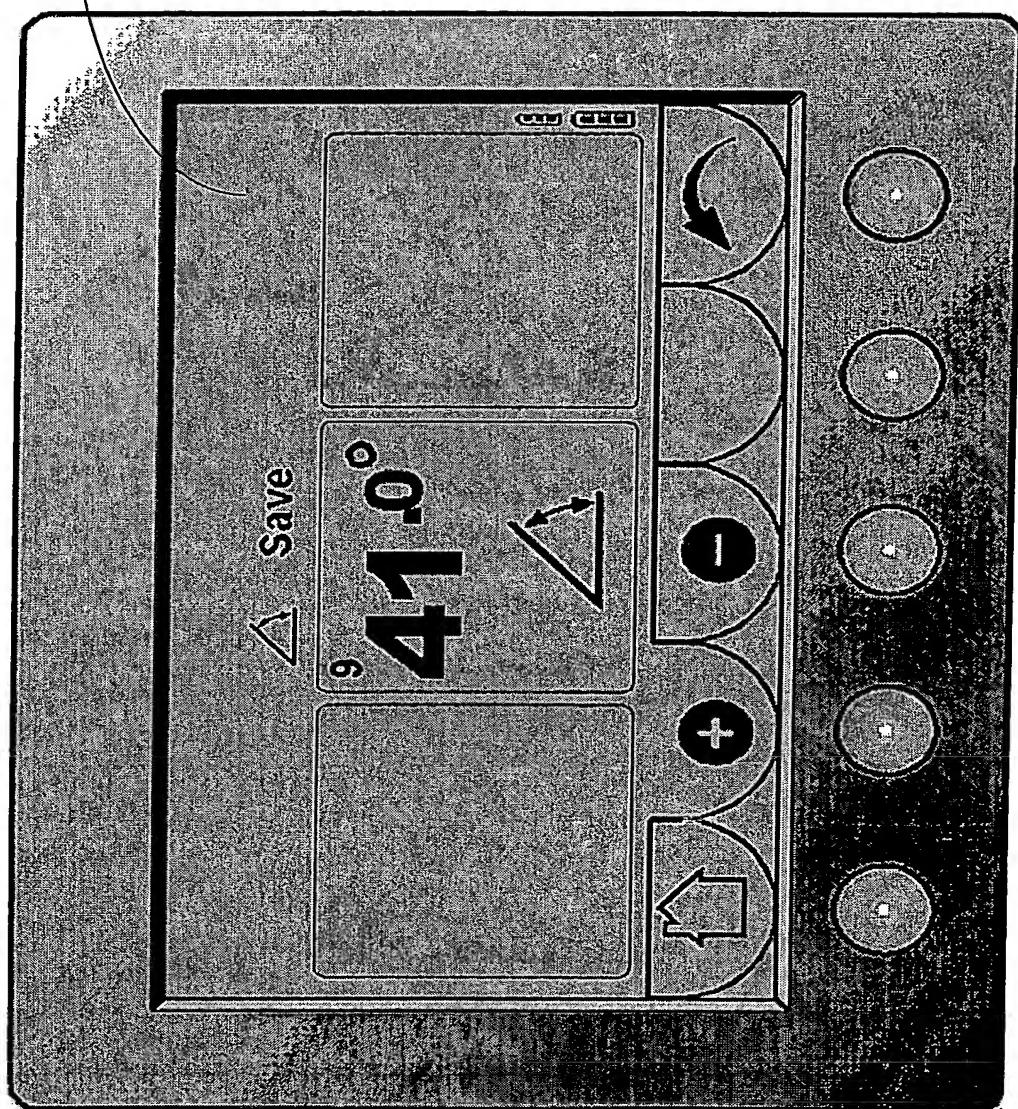


FIG. 82

FIG. 83



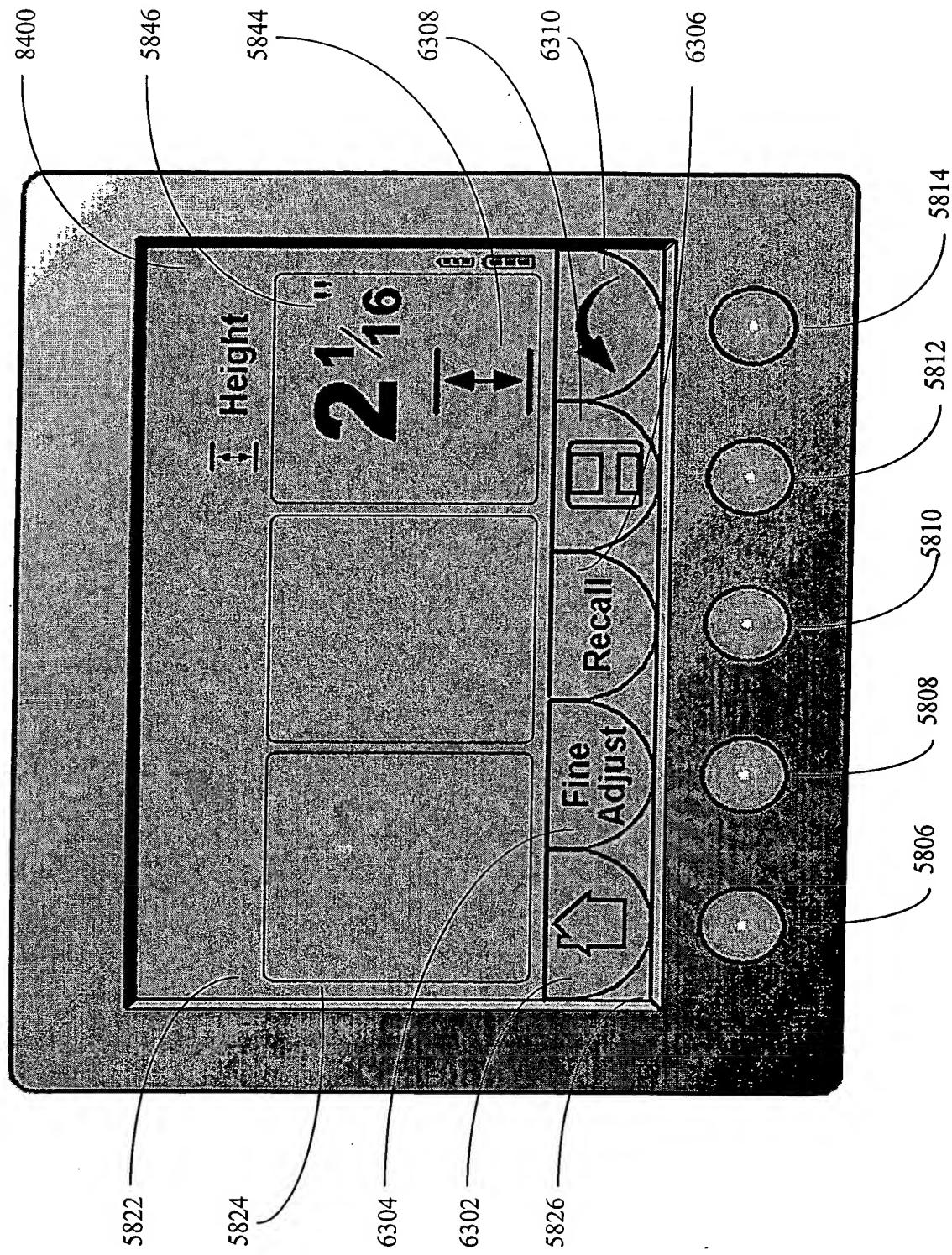


FIG. 84

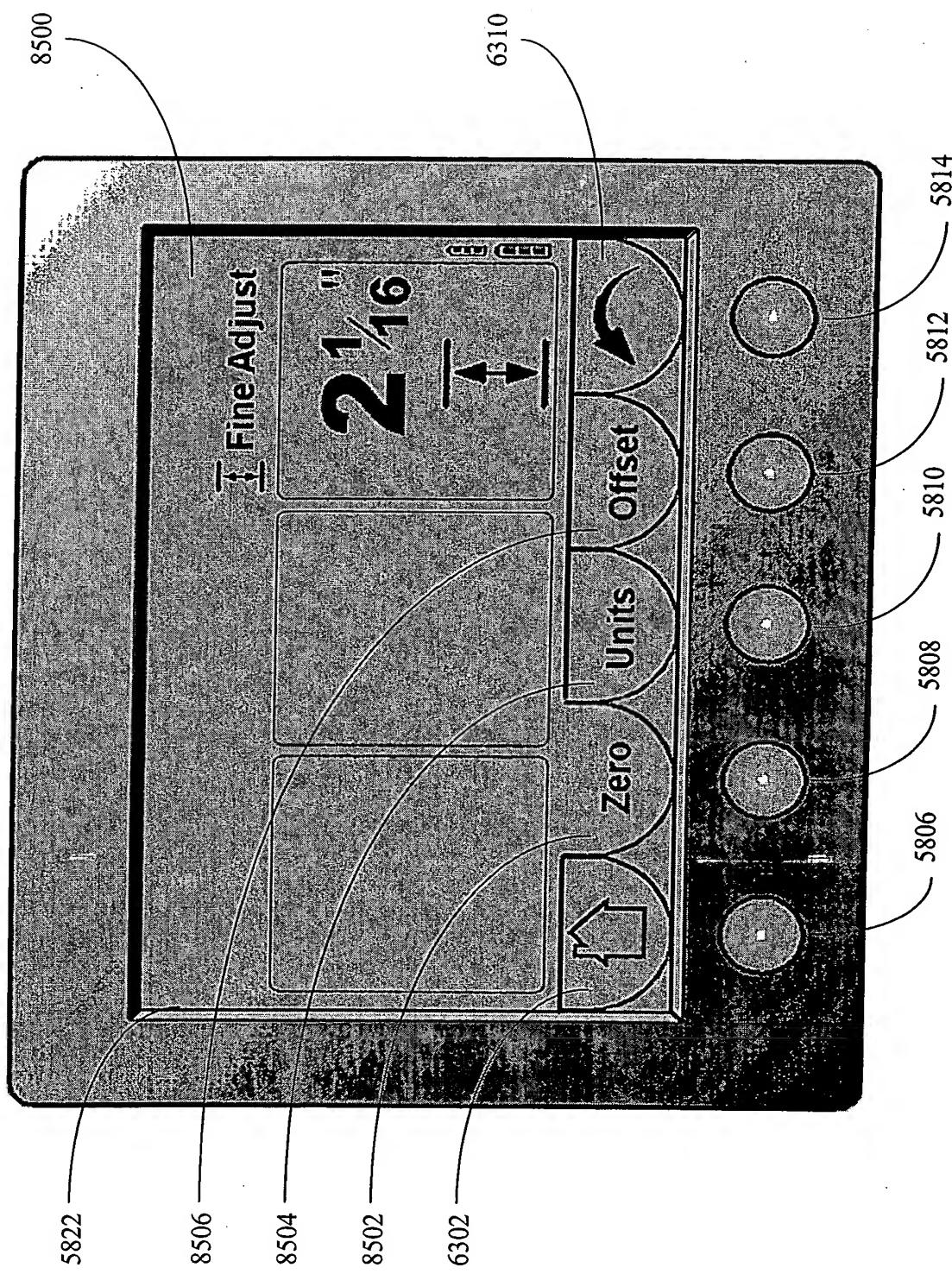


FIG. 85

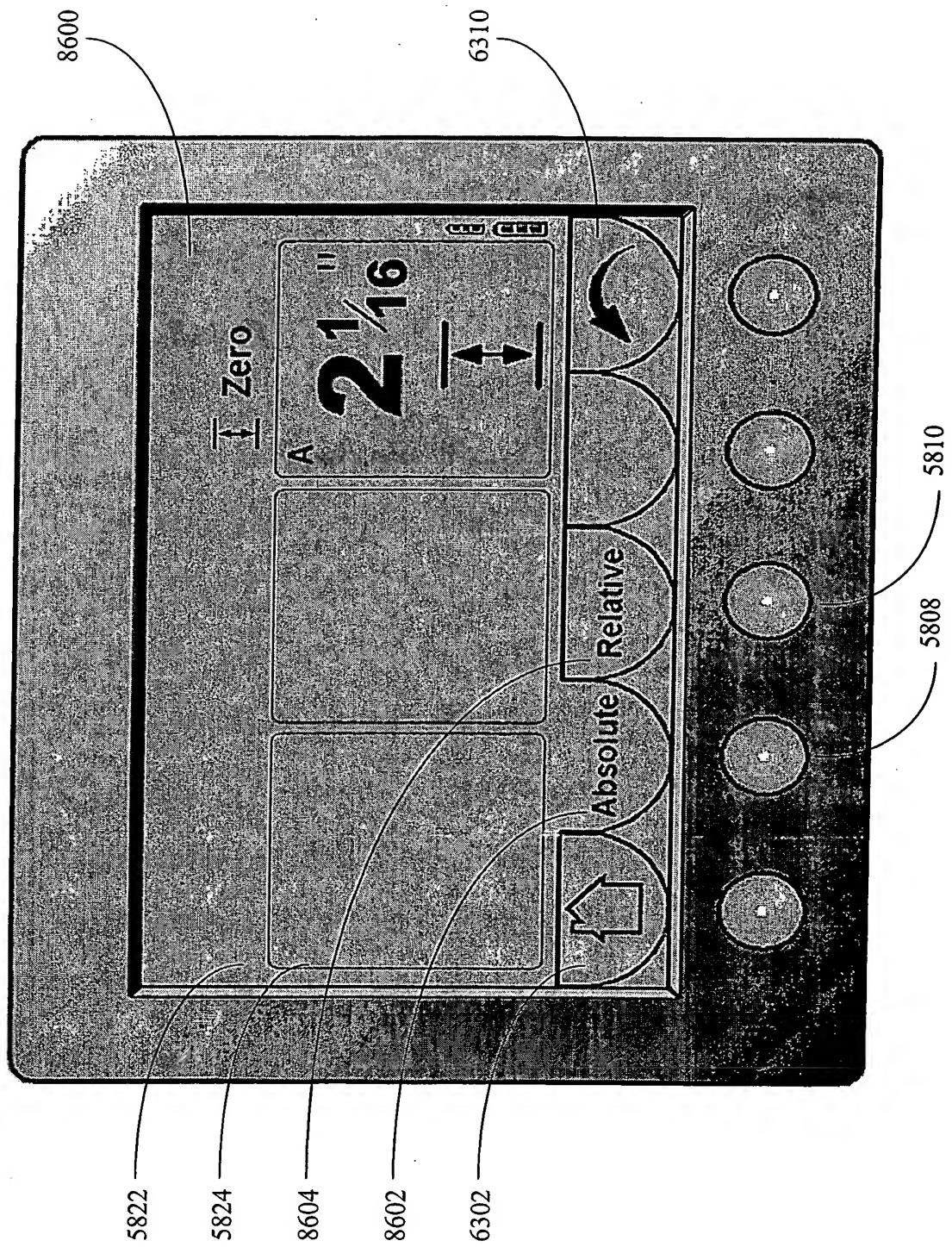


FIG. 86

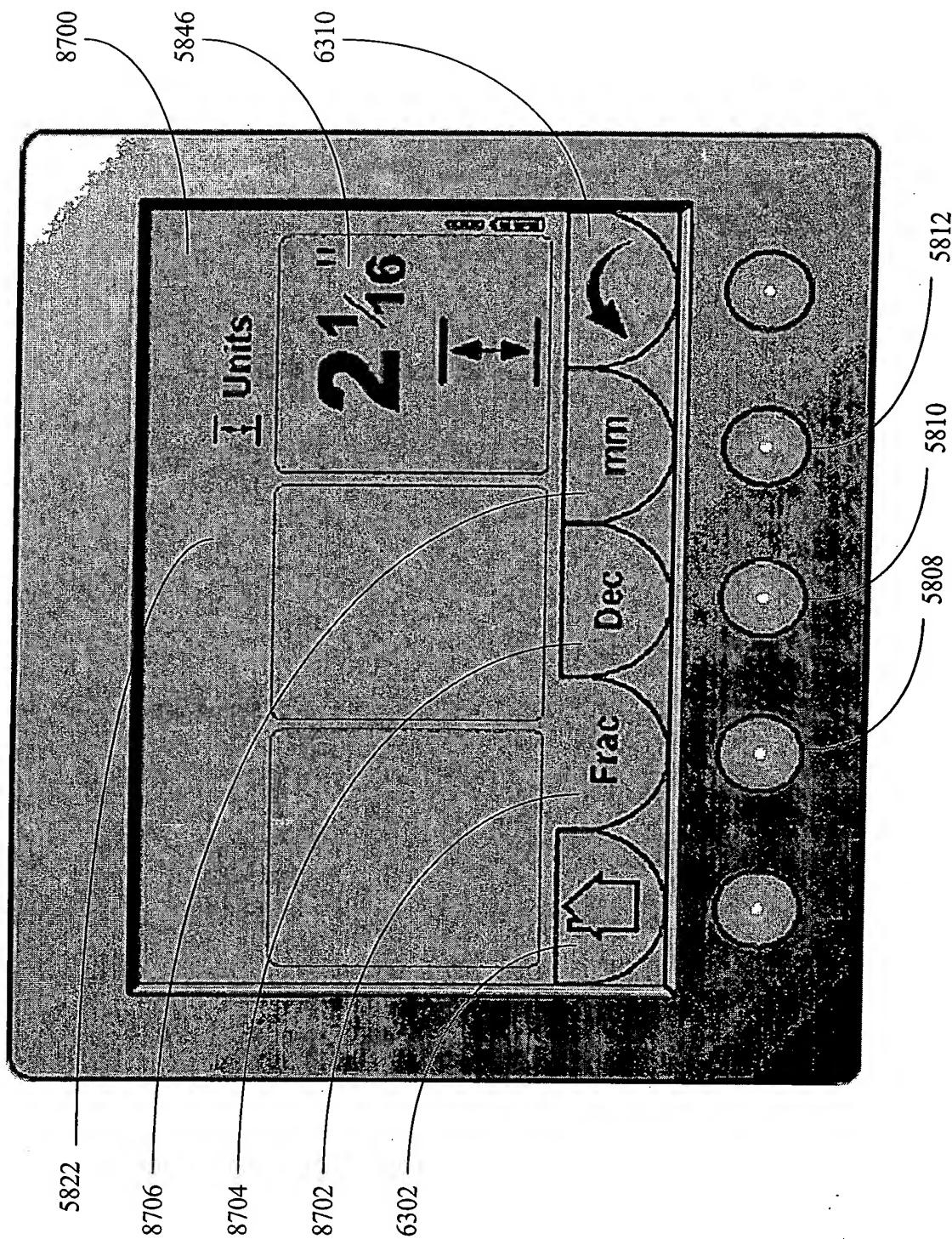


FIG. 87

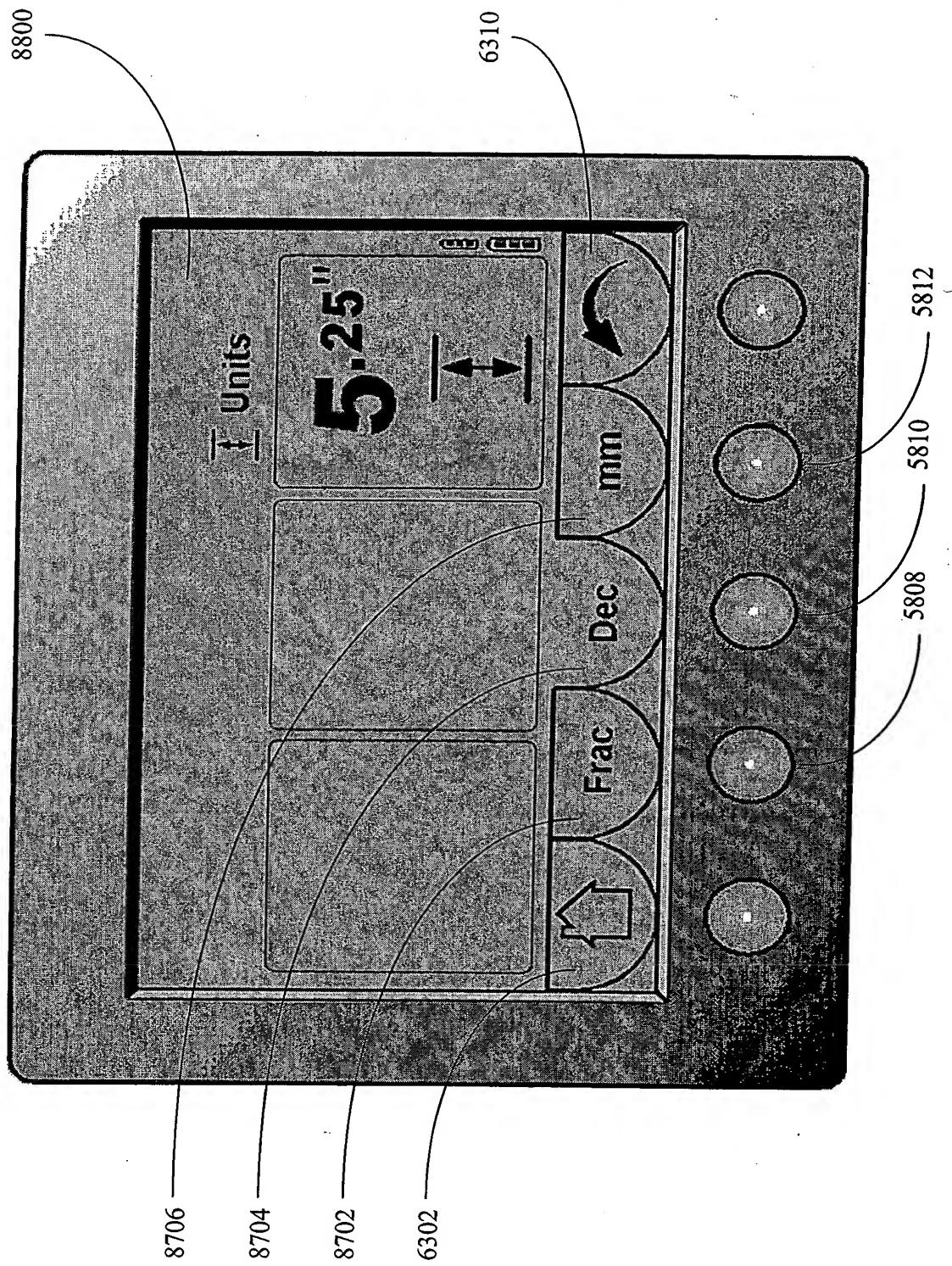
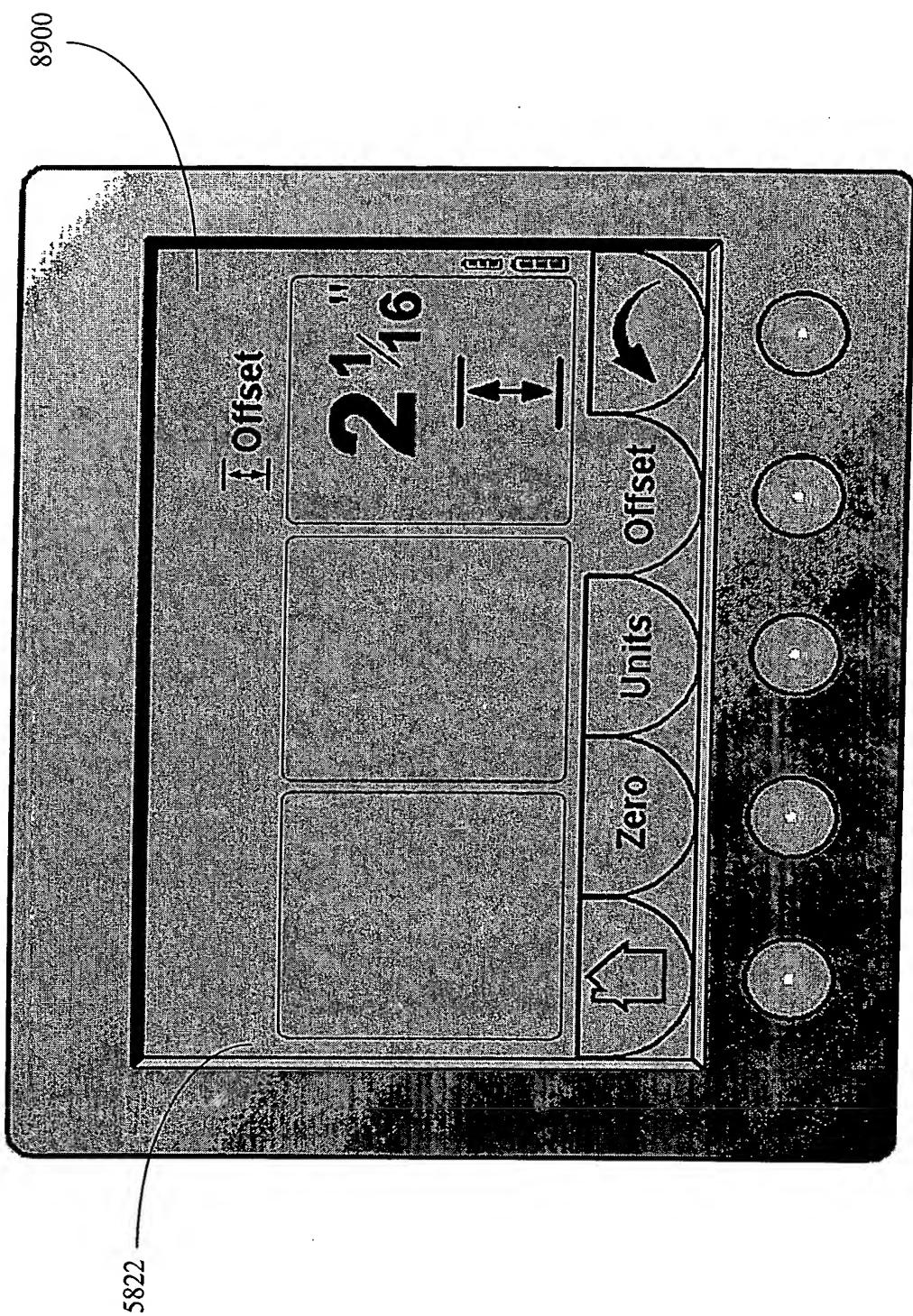


FIG. 88

FIG. 89



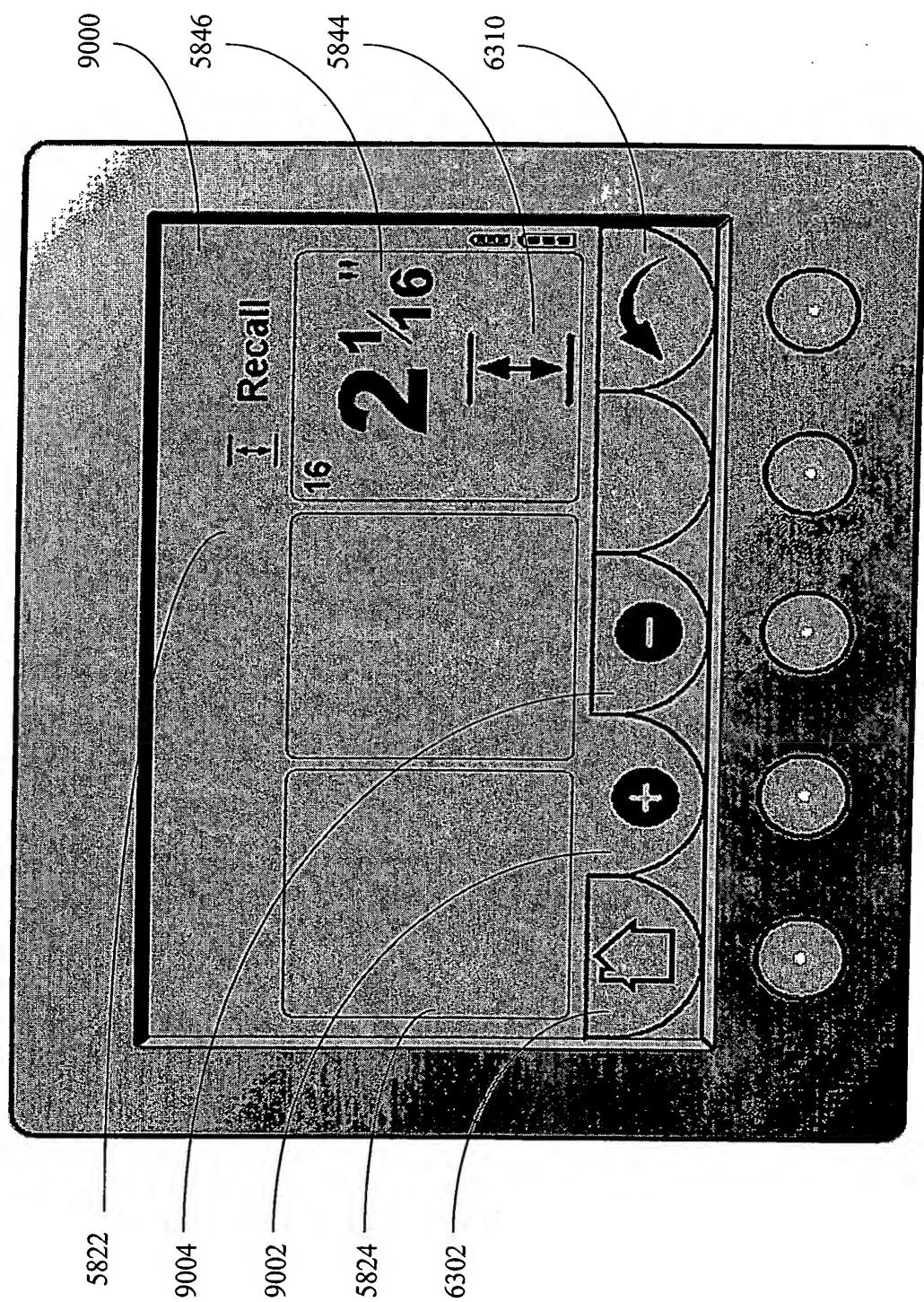


FIG. 90

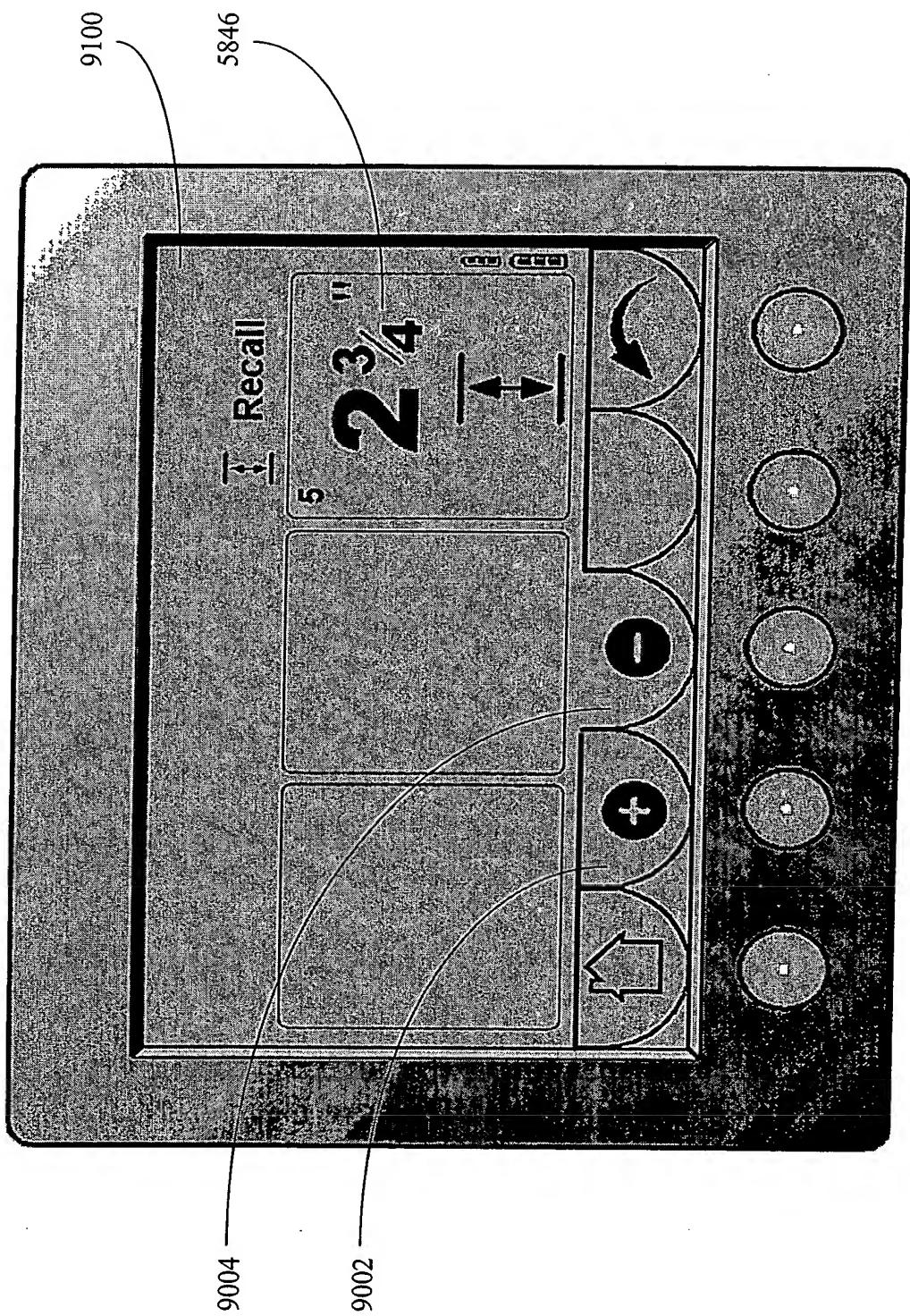


FIG. 91

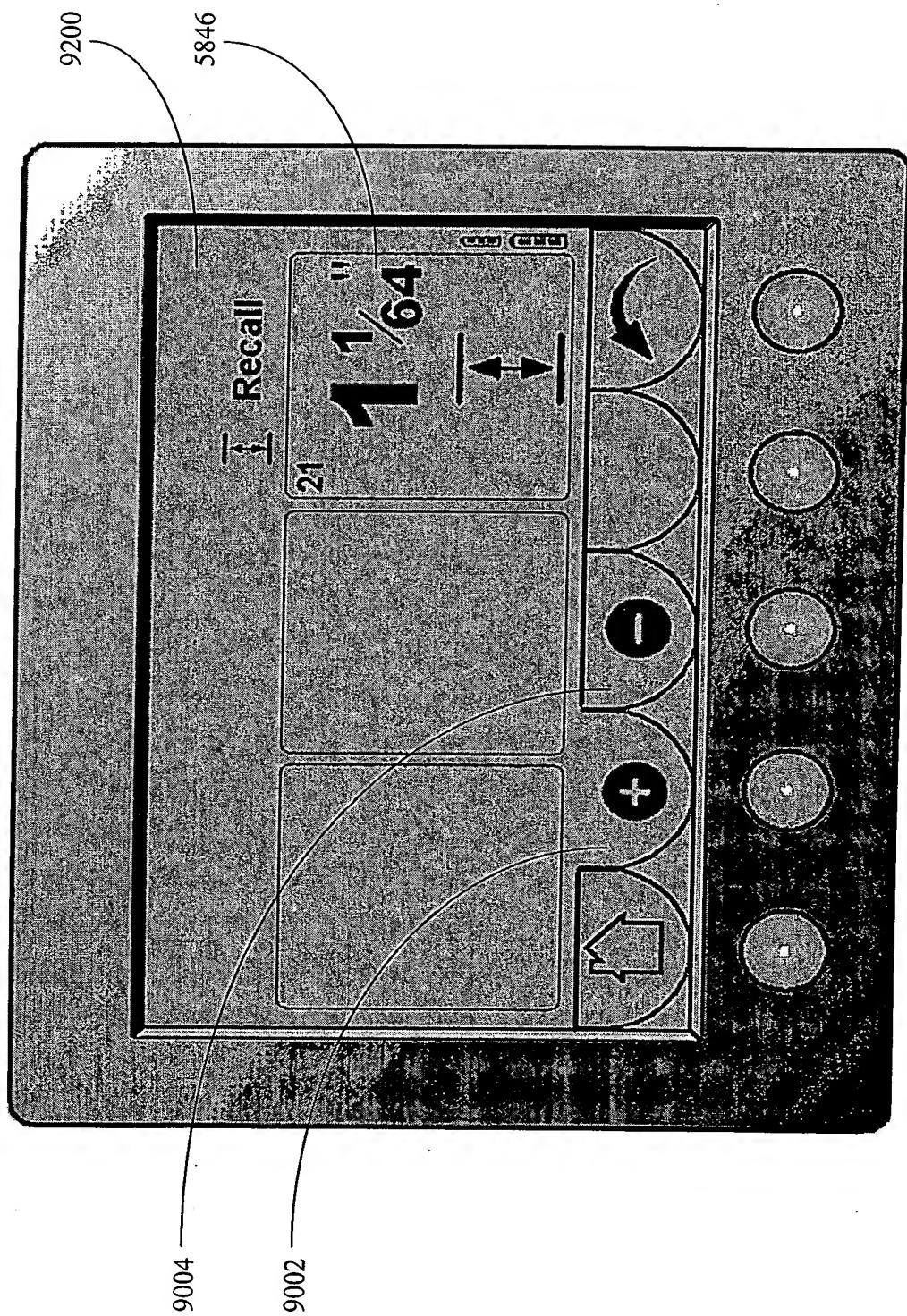


FIG. 92

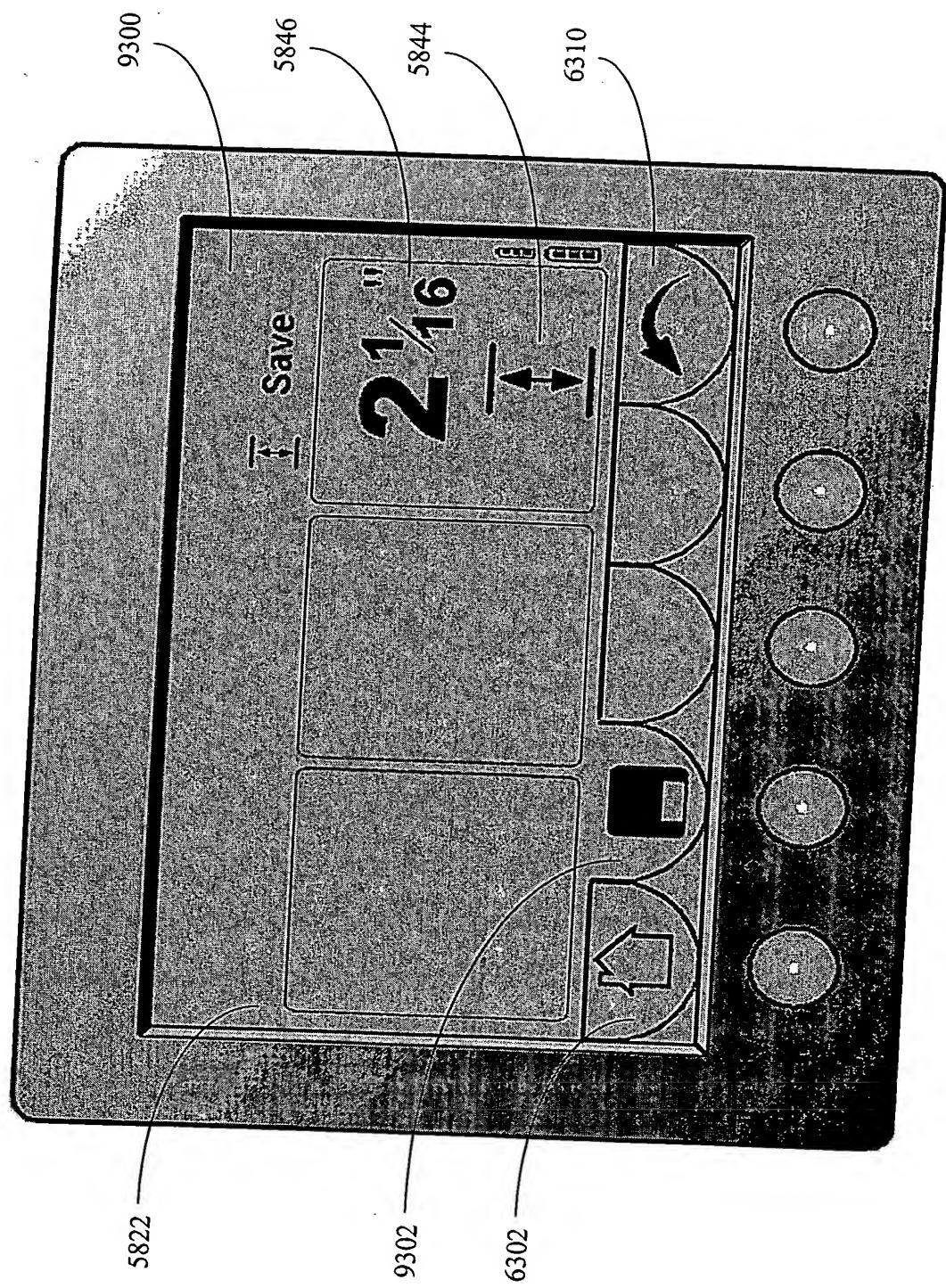
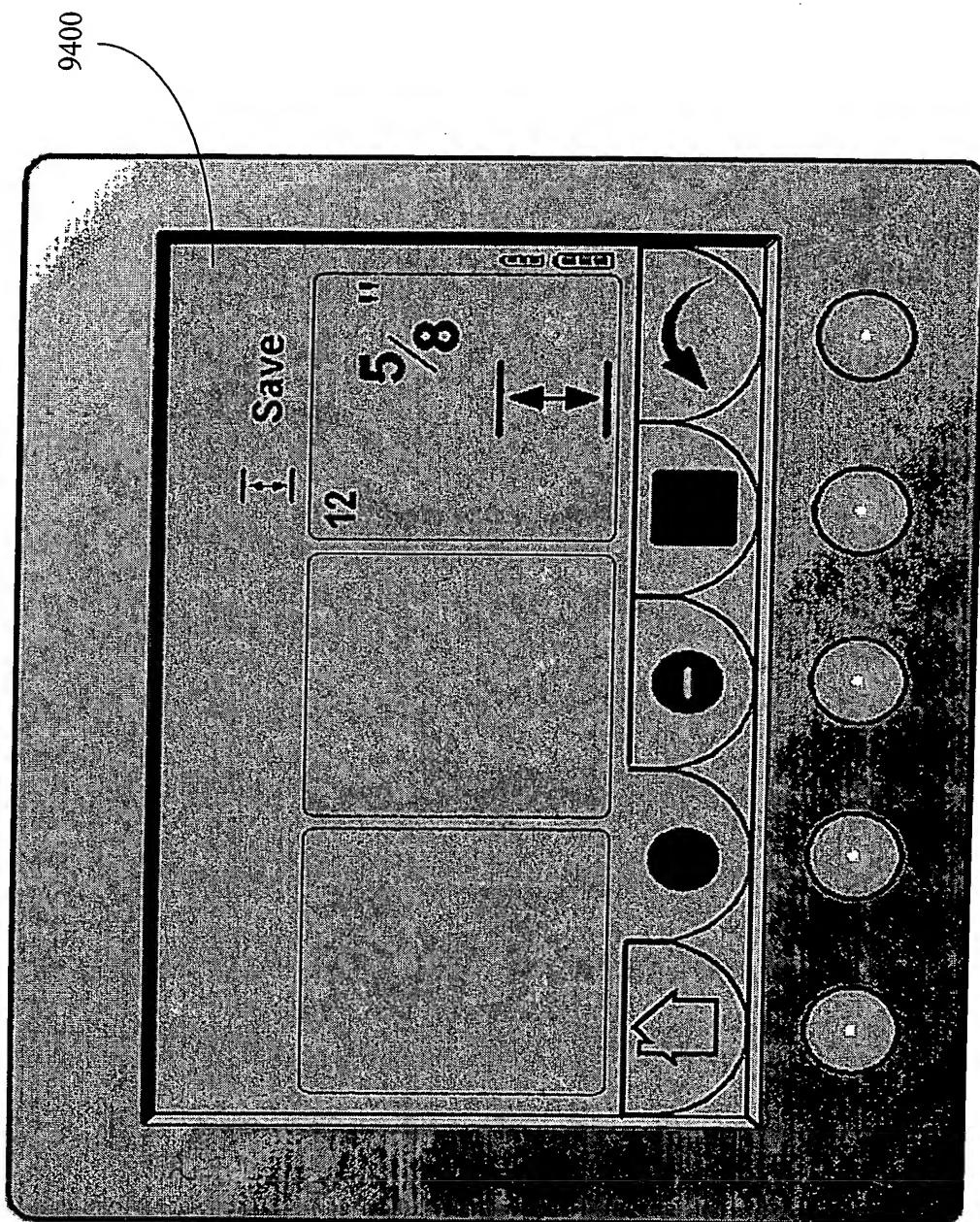


FIG. 93

FIG. 94



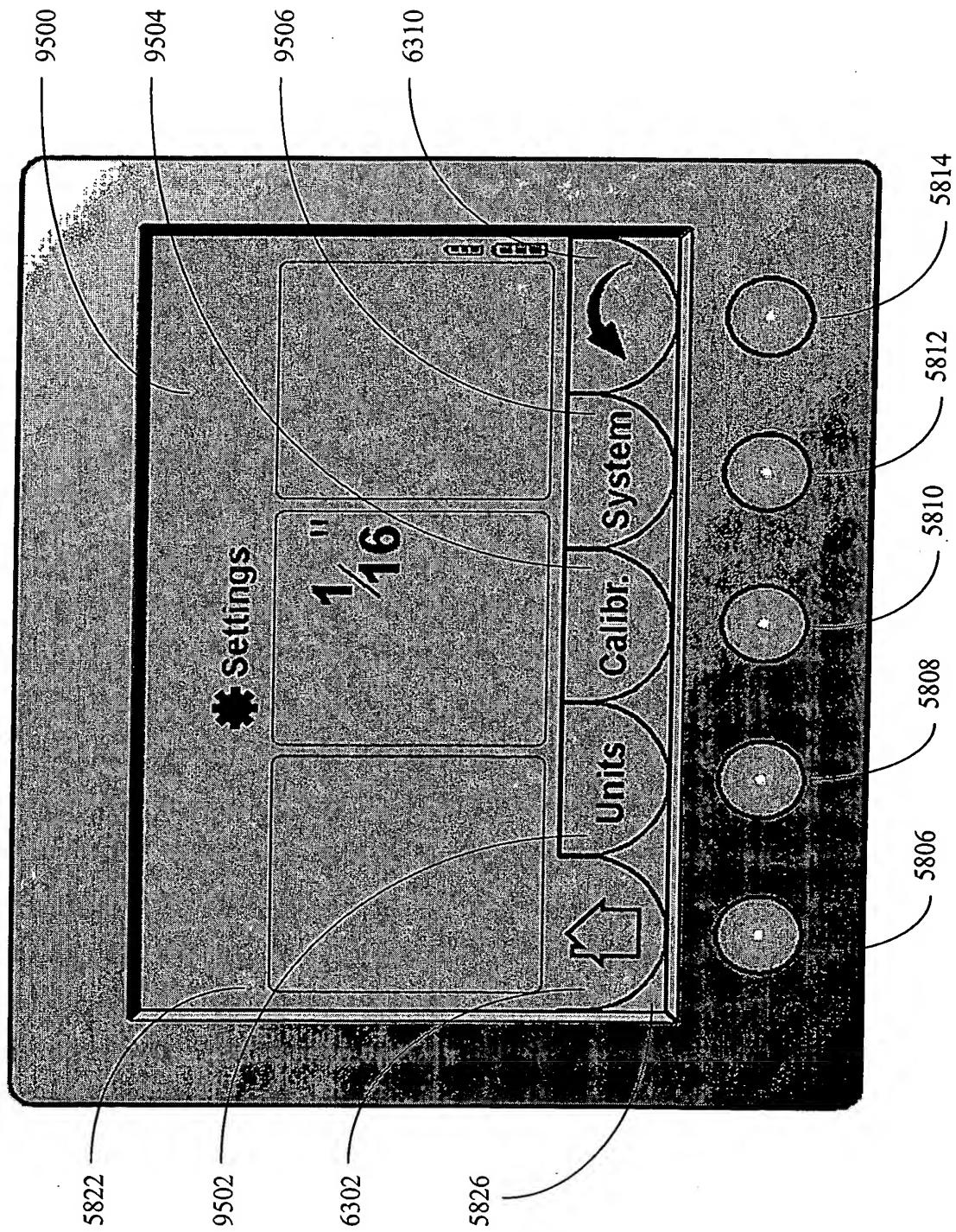


FIG. 95

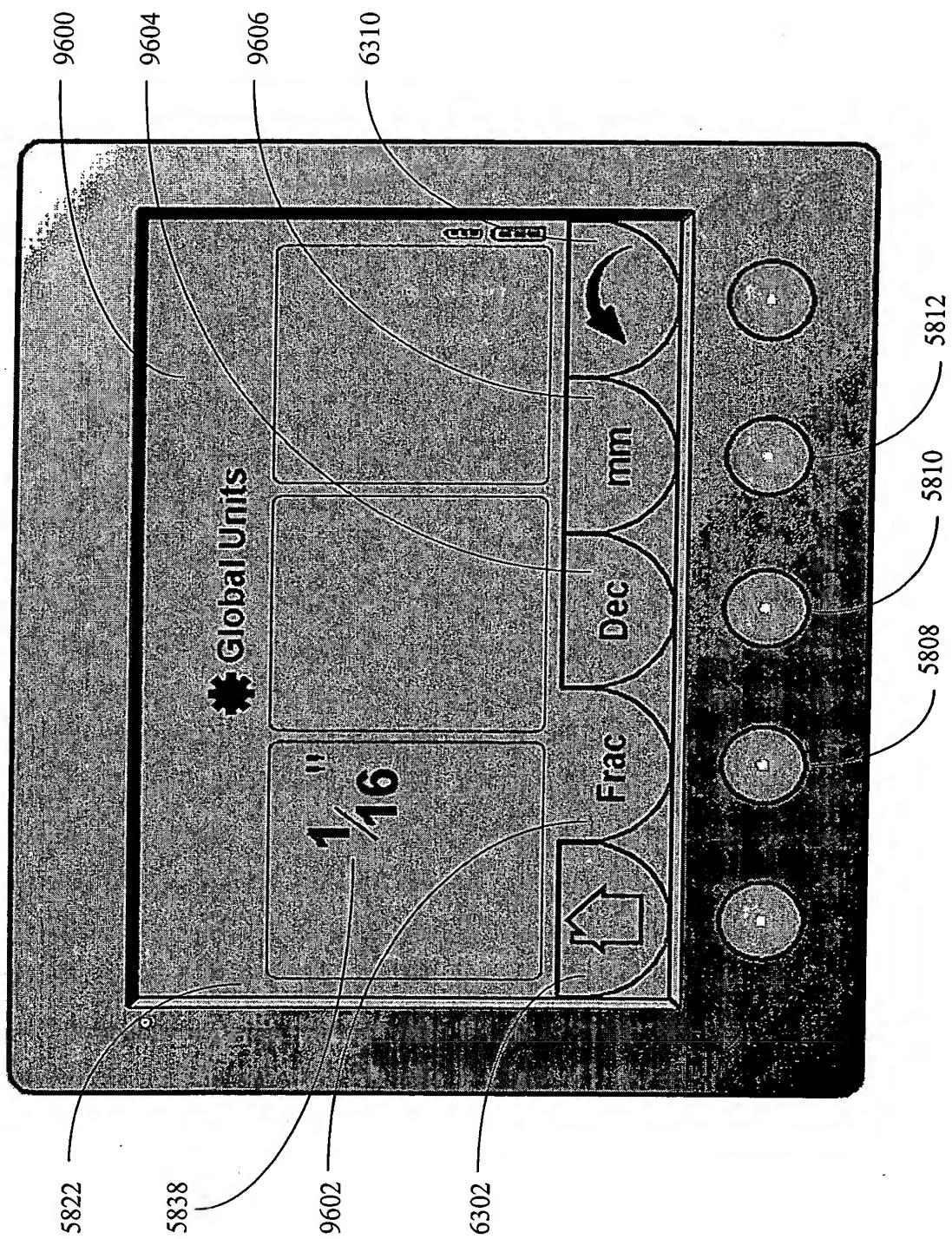


FIG. 96

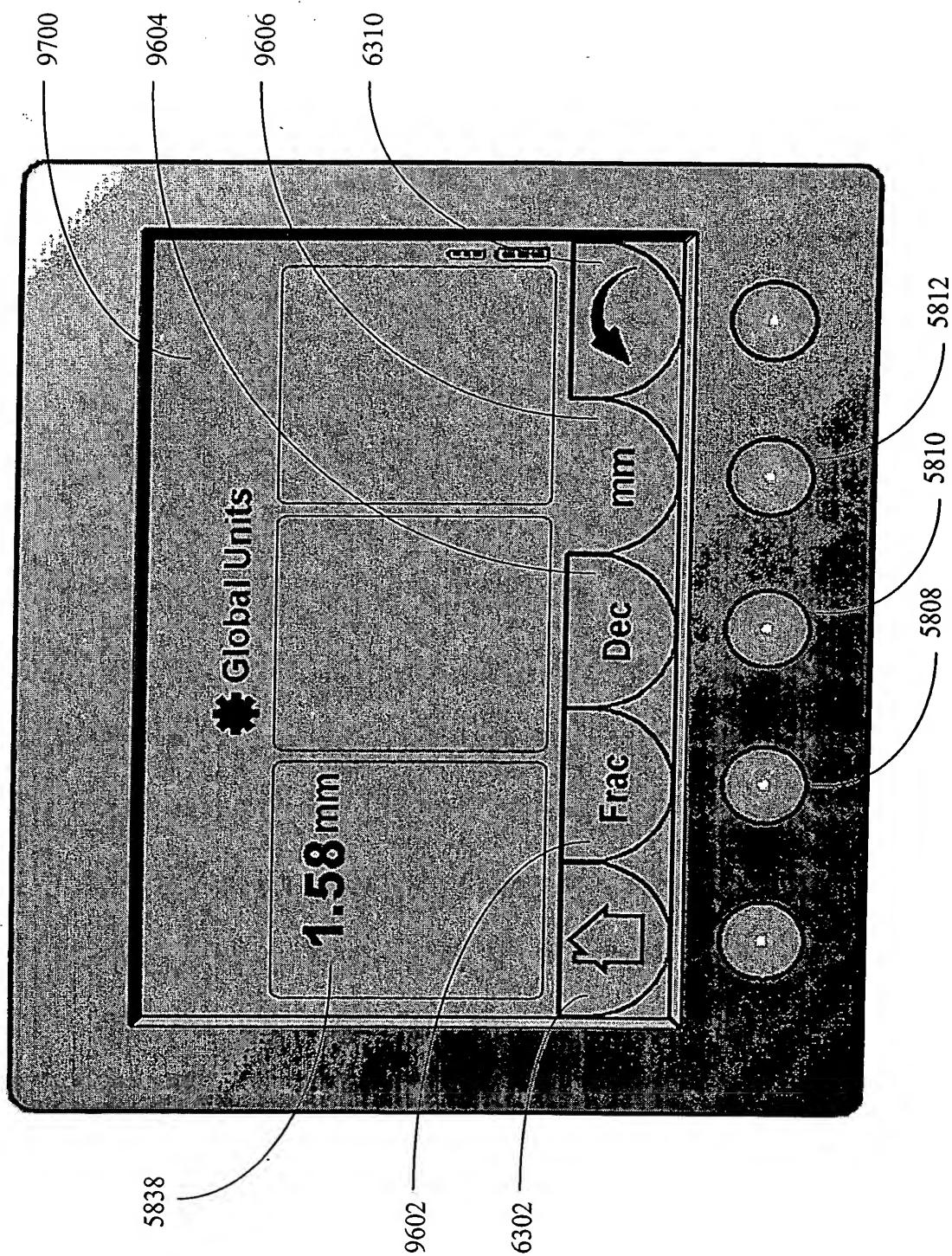


FIG. 97

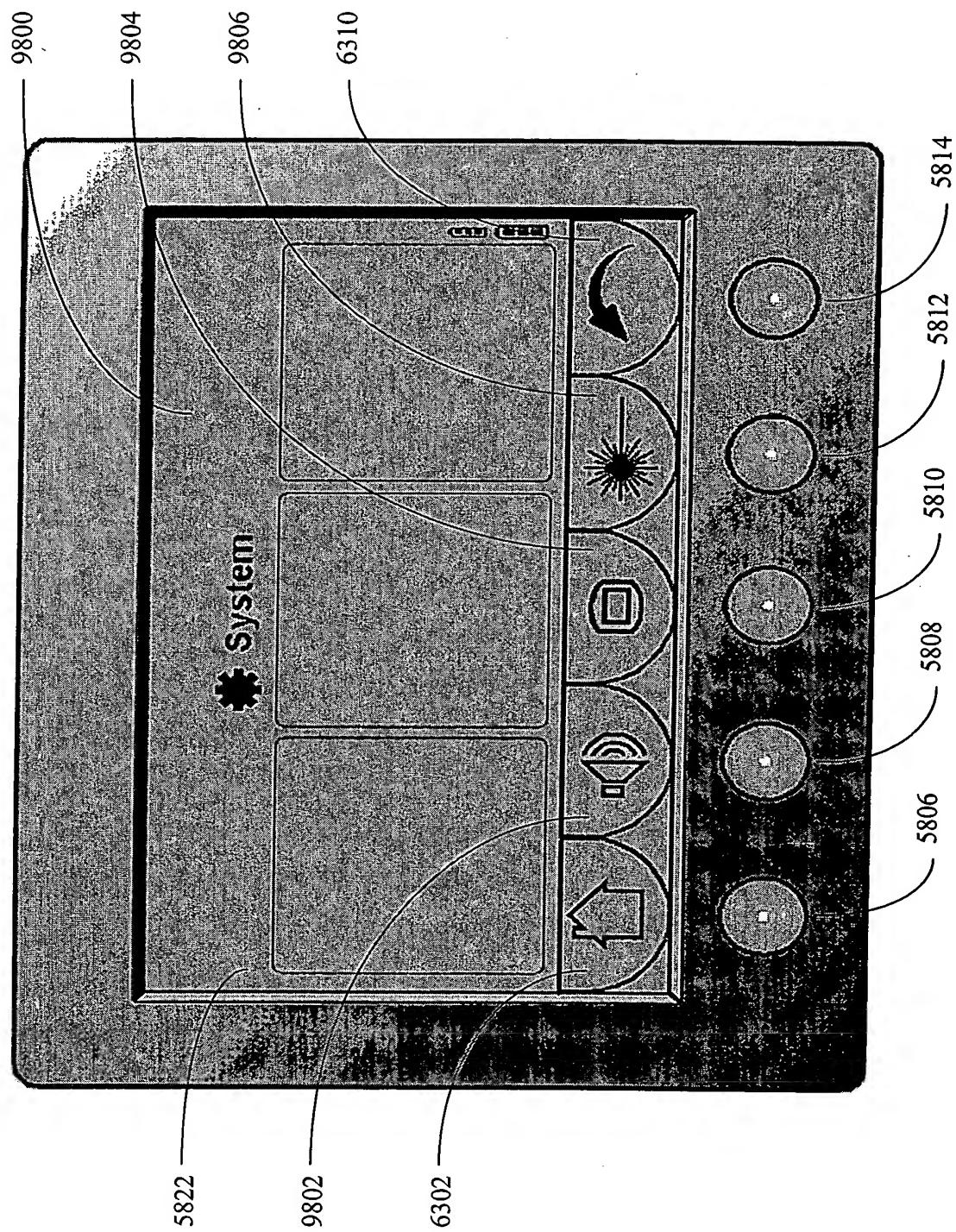


FIG. 98

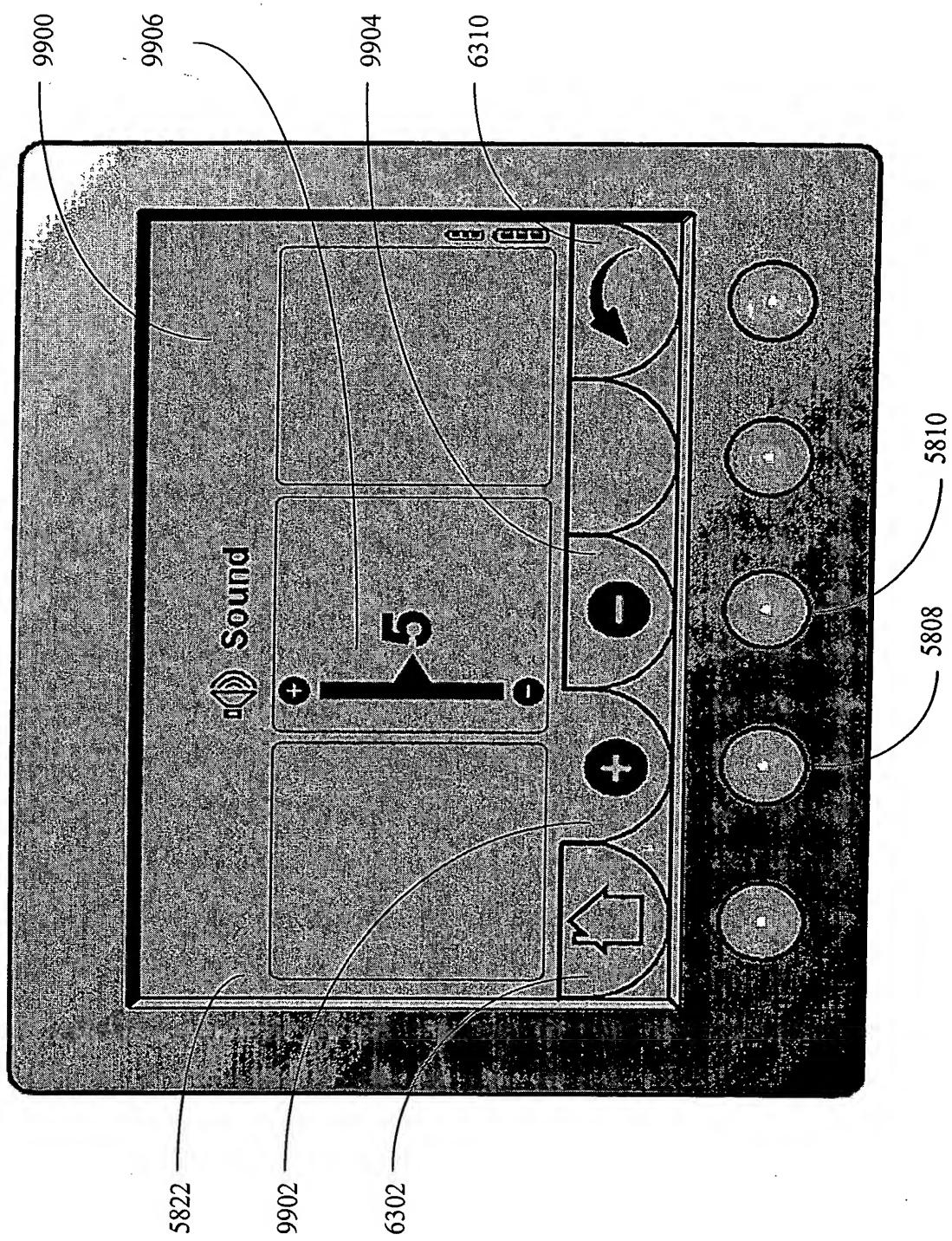


FIG. 99

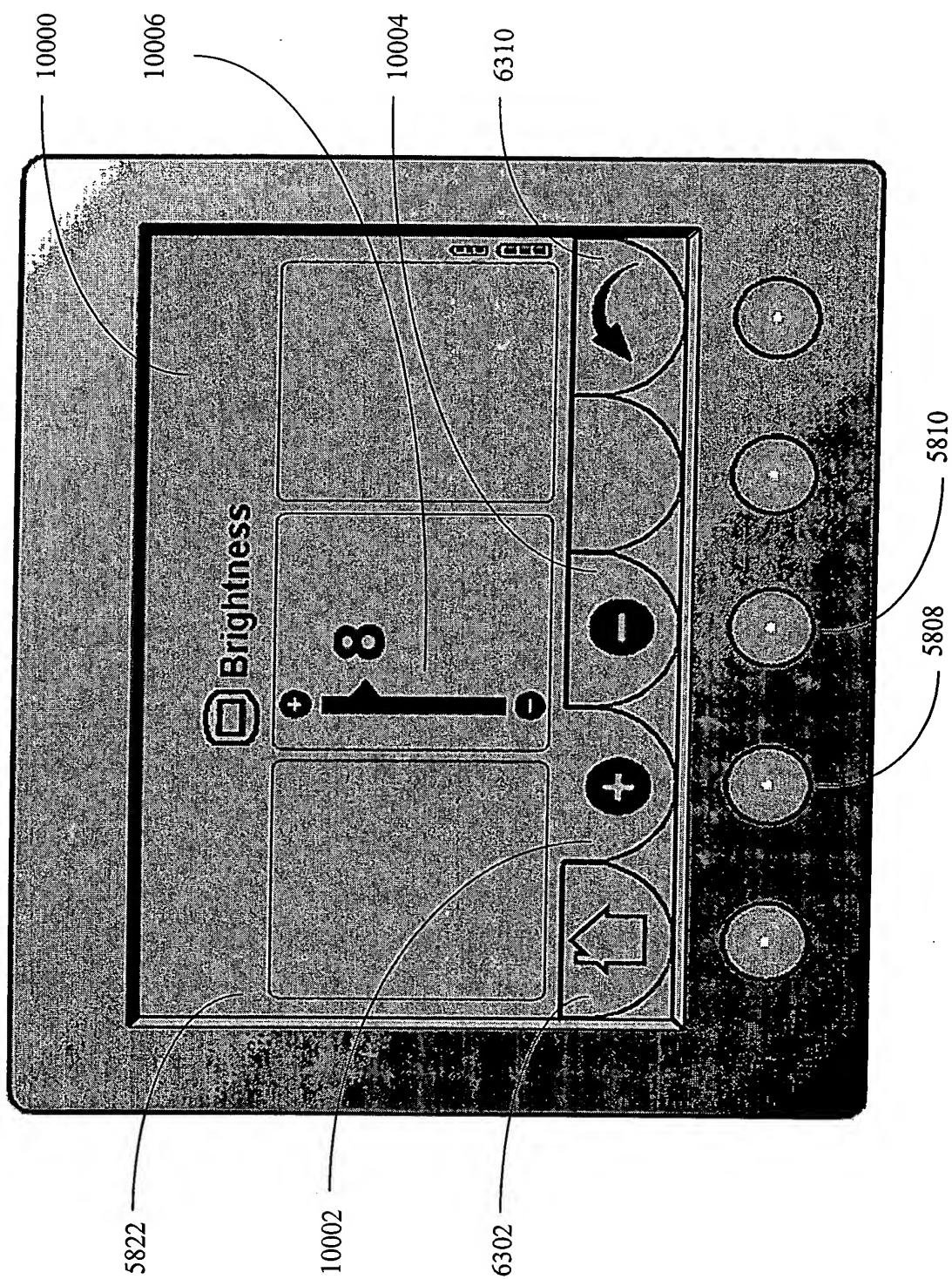


FIG. 100

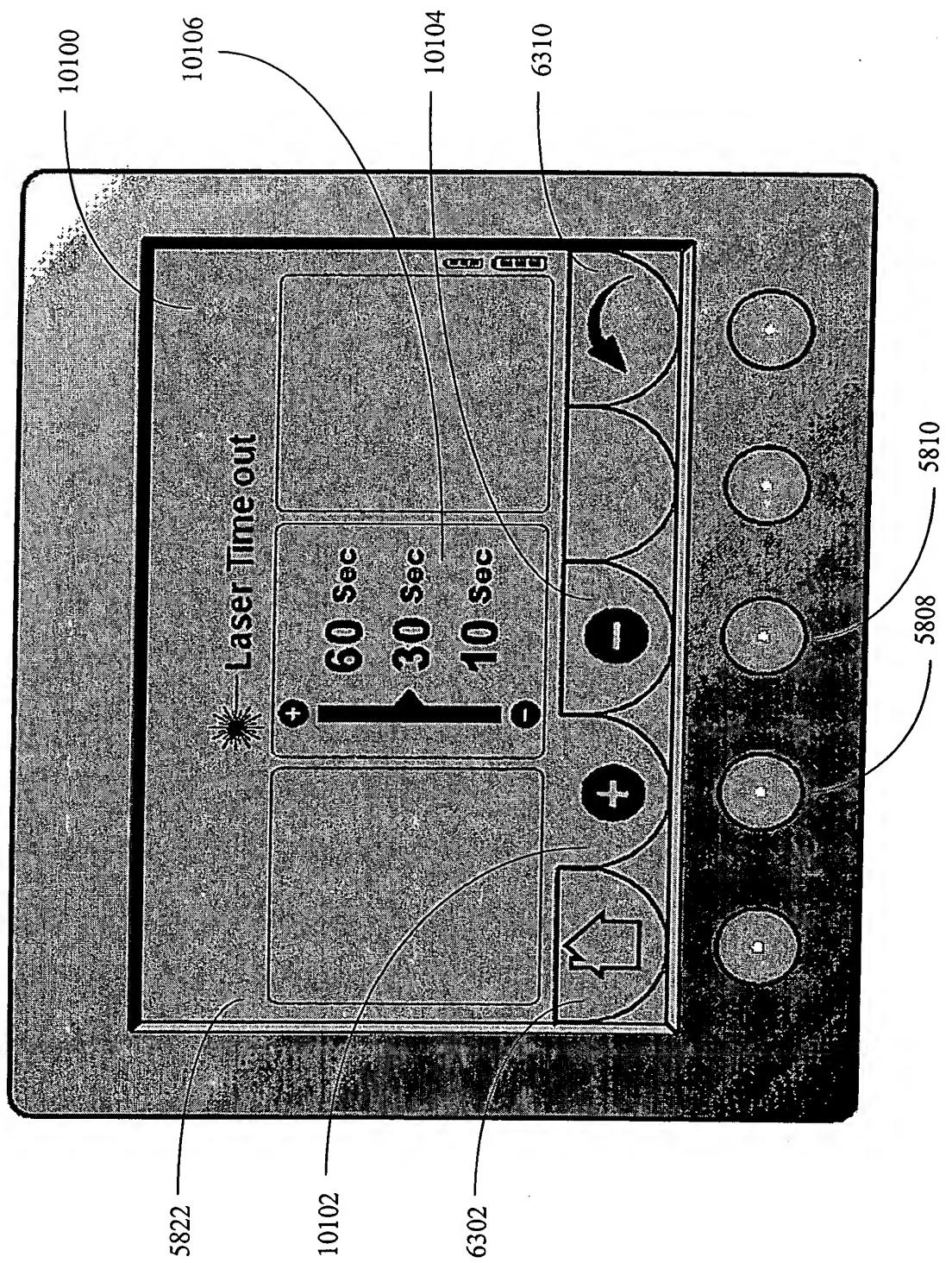


FIG. 101

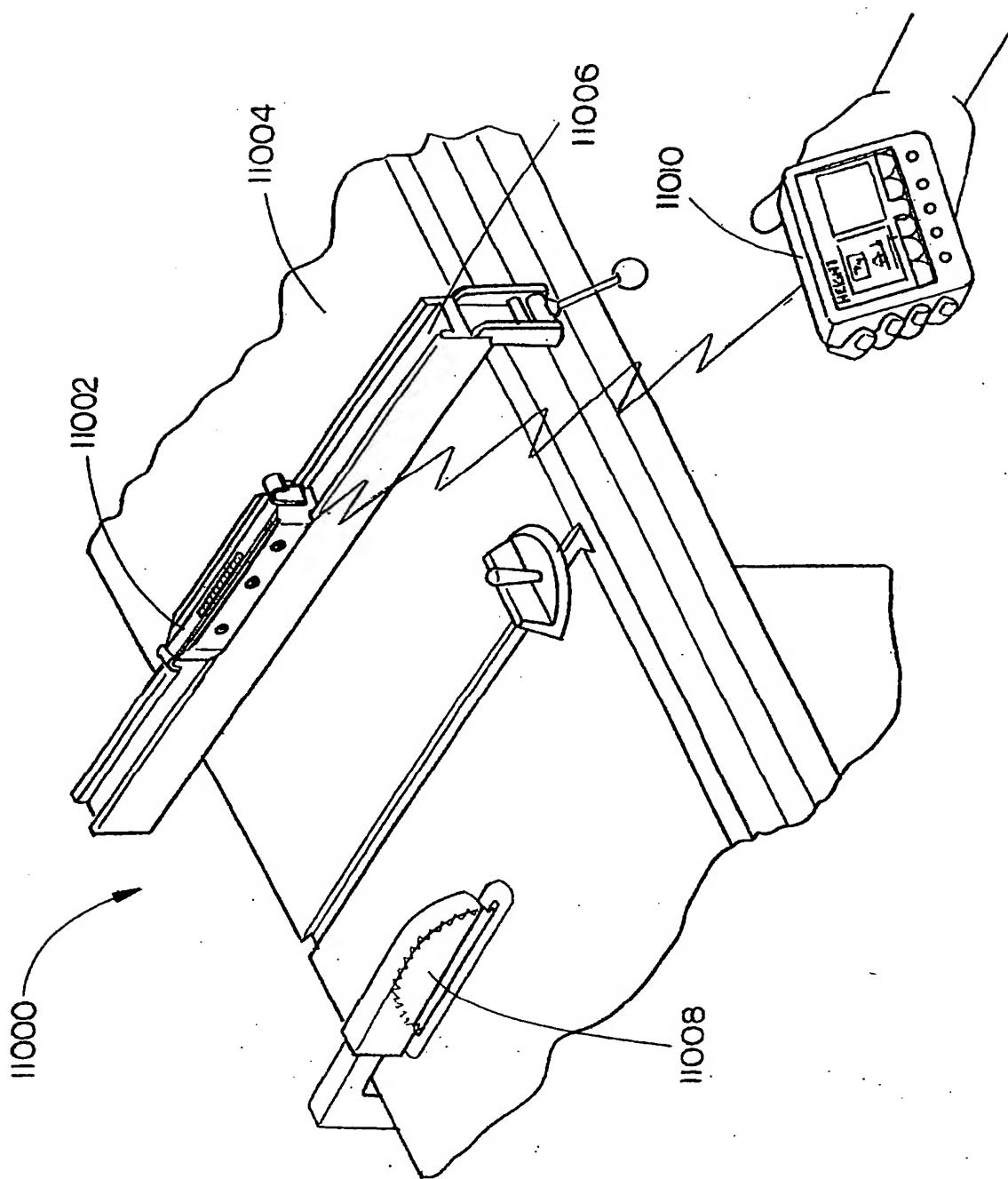


FIG. 102

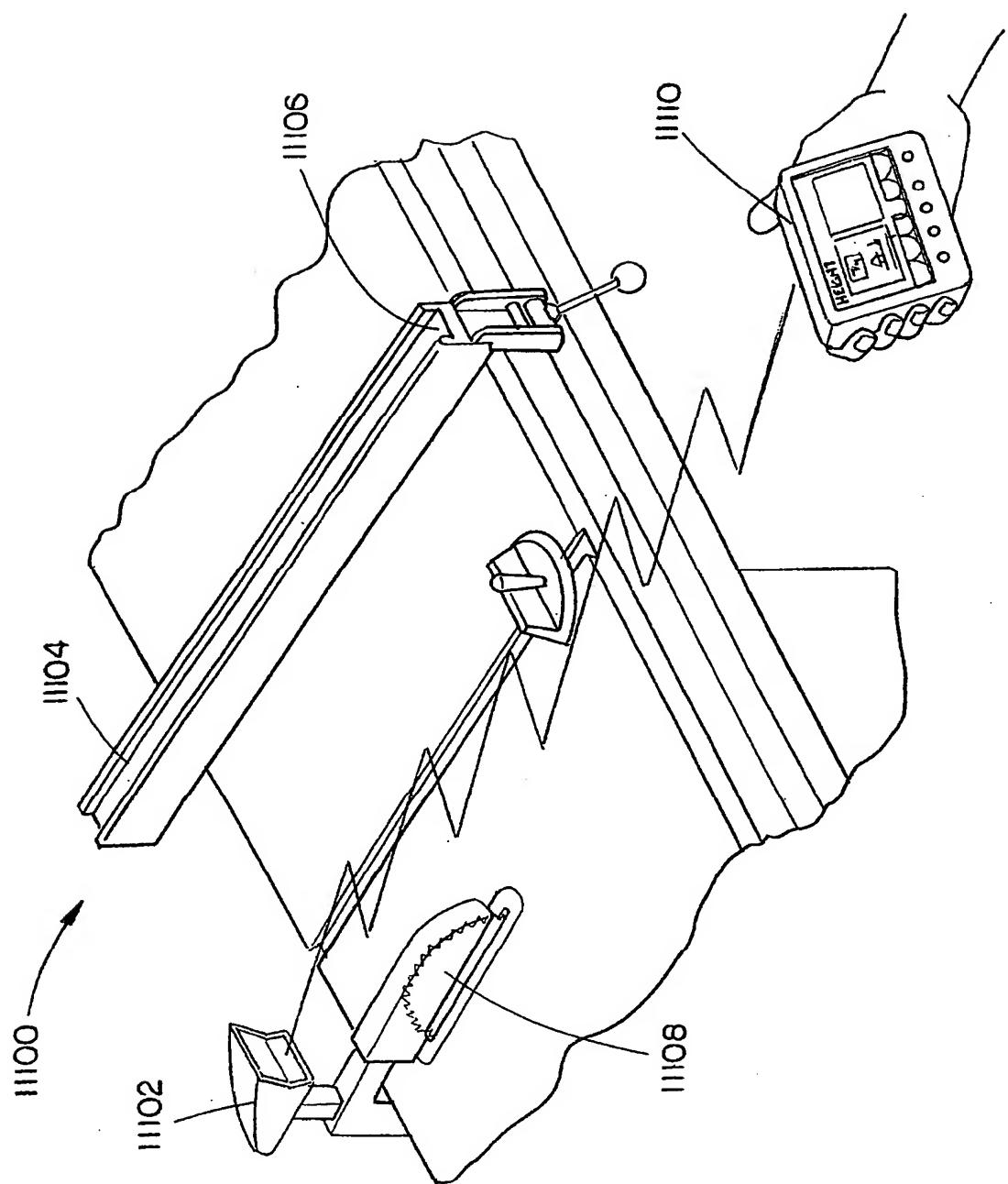


FIG. 103

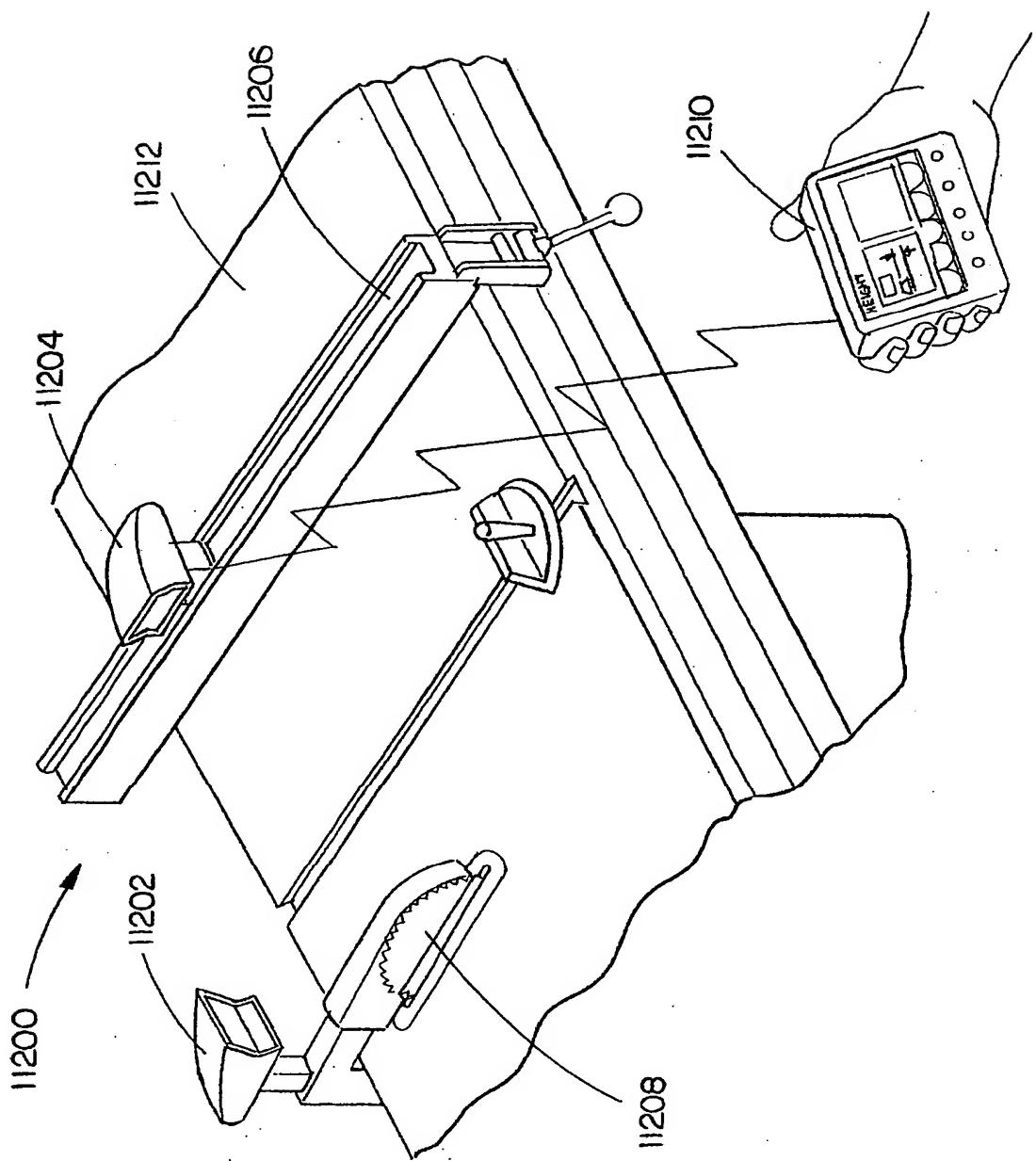


FIG. 104

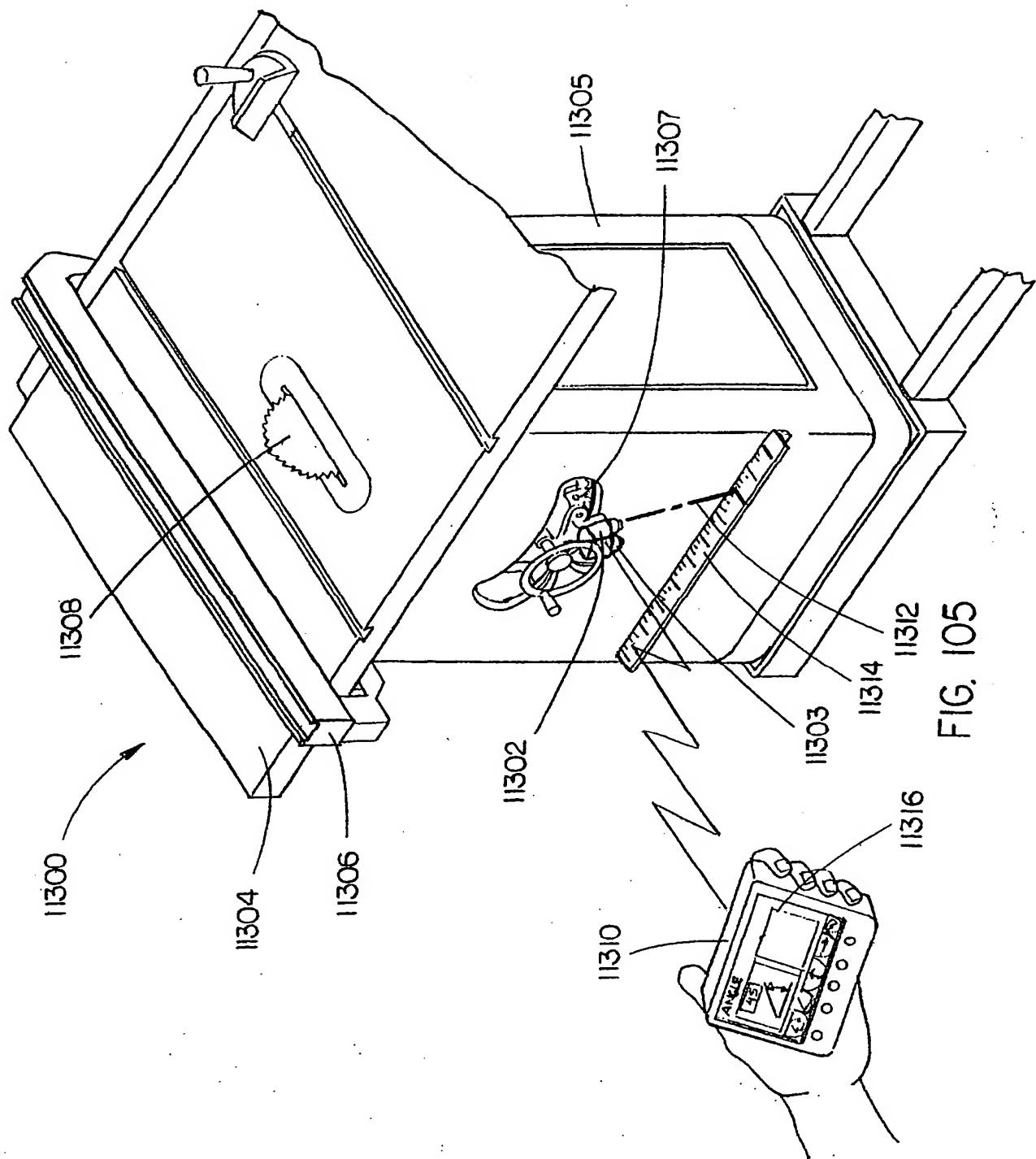


FIG. 105

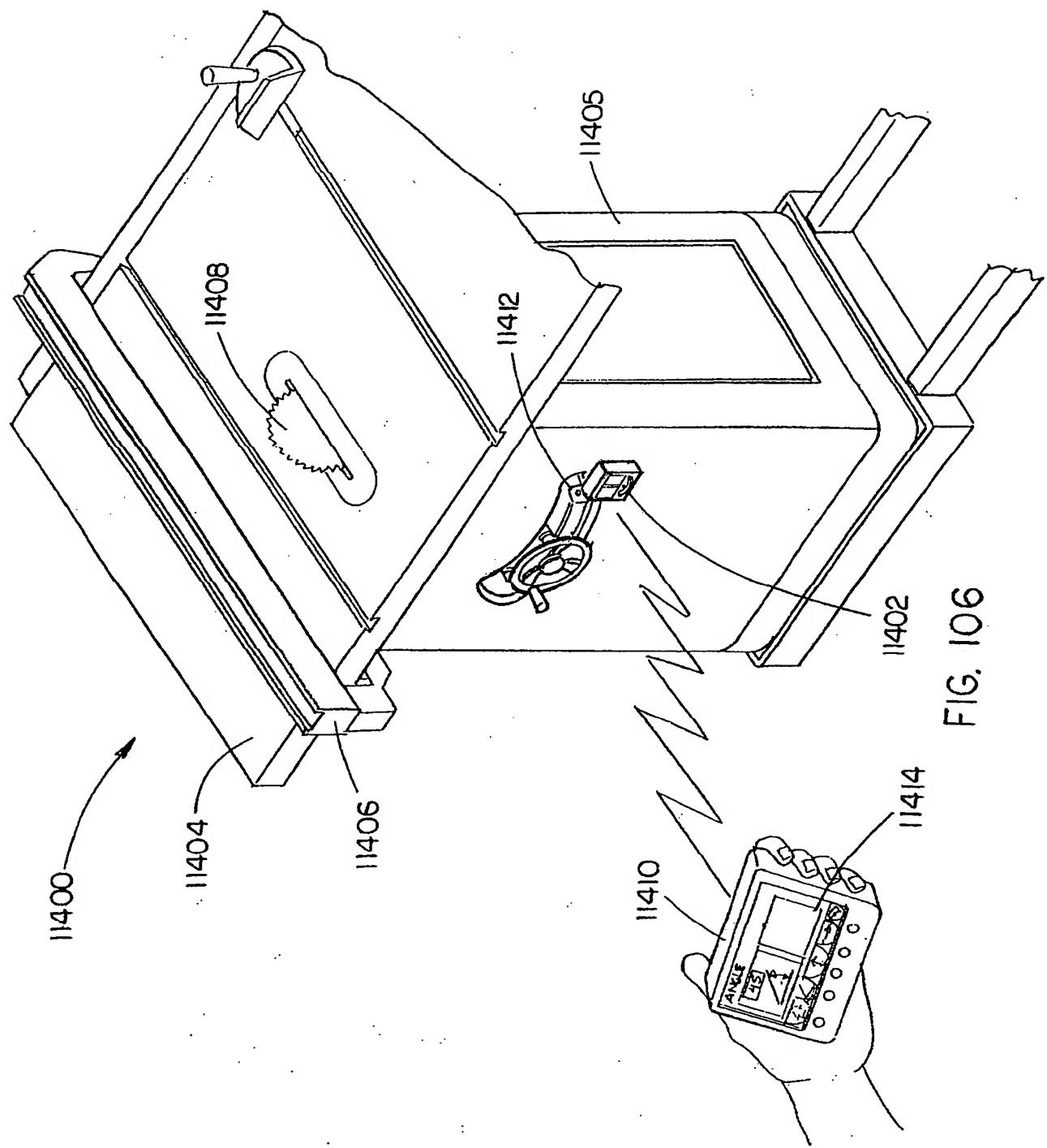
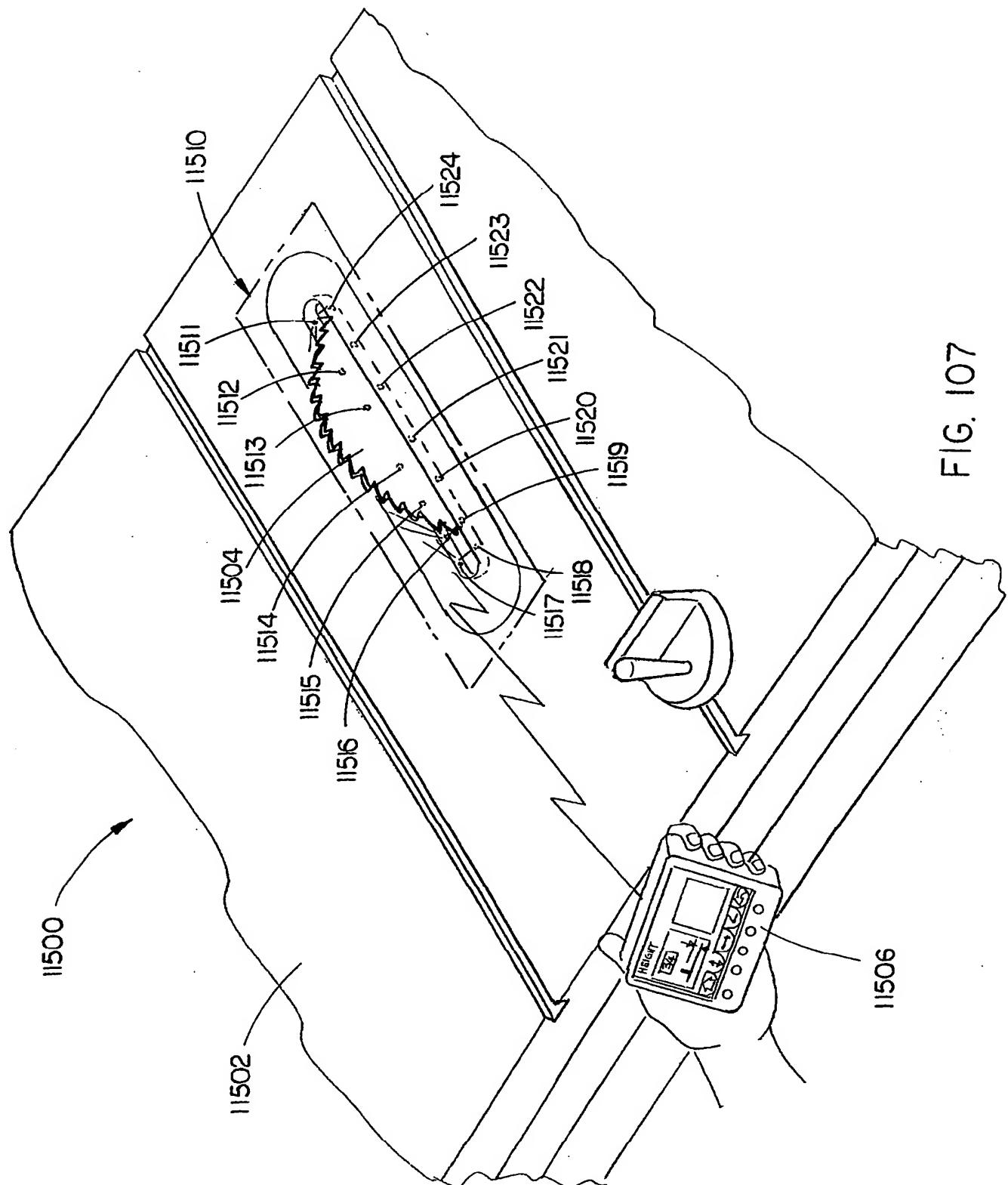


FIG. 106

FIG. 107



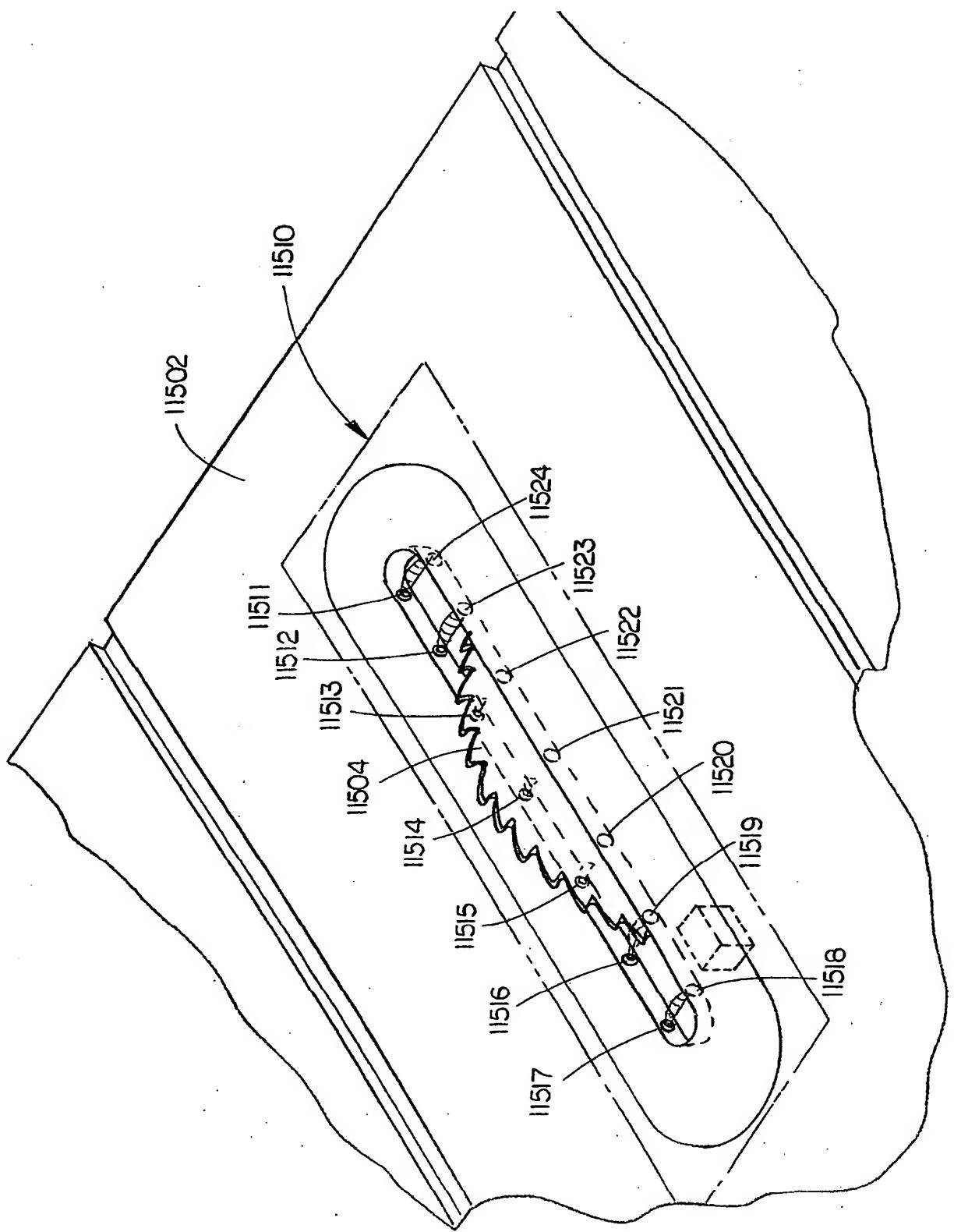
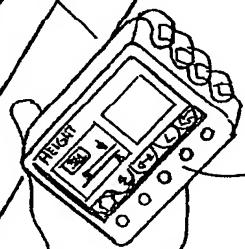


FIG. 108

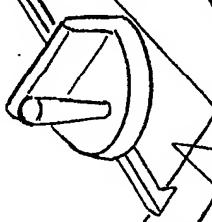
FIG. 109

1506



1508

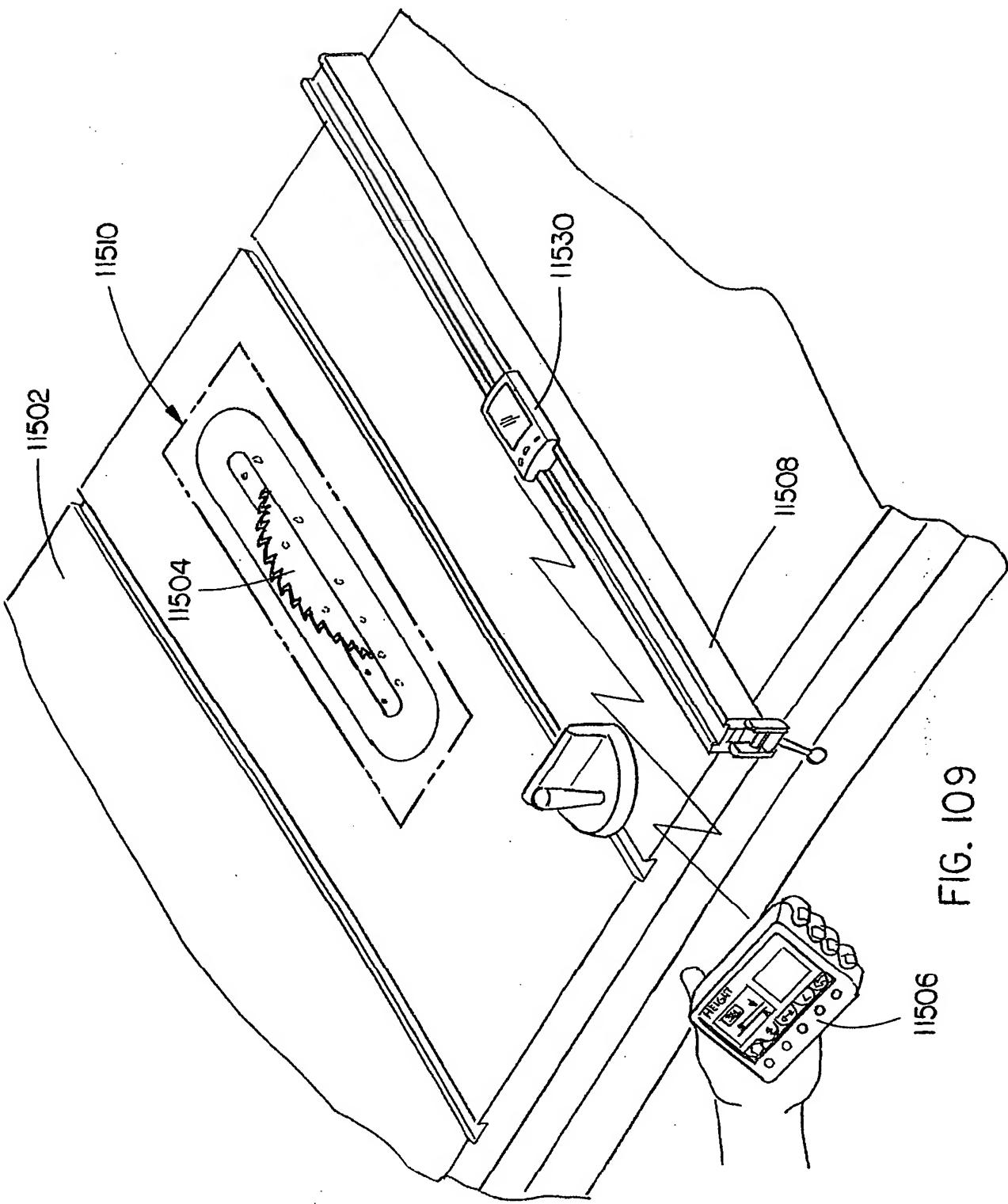
1530



1504

1510

1502



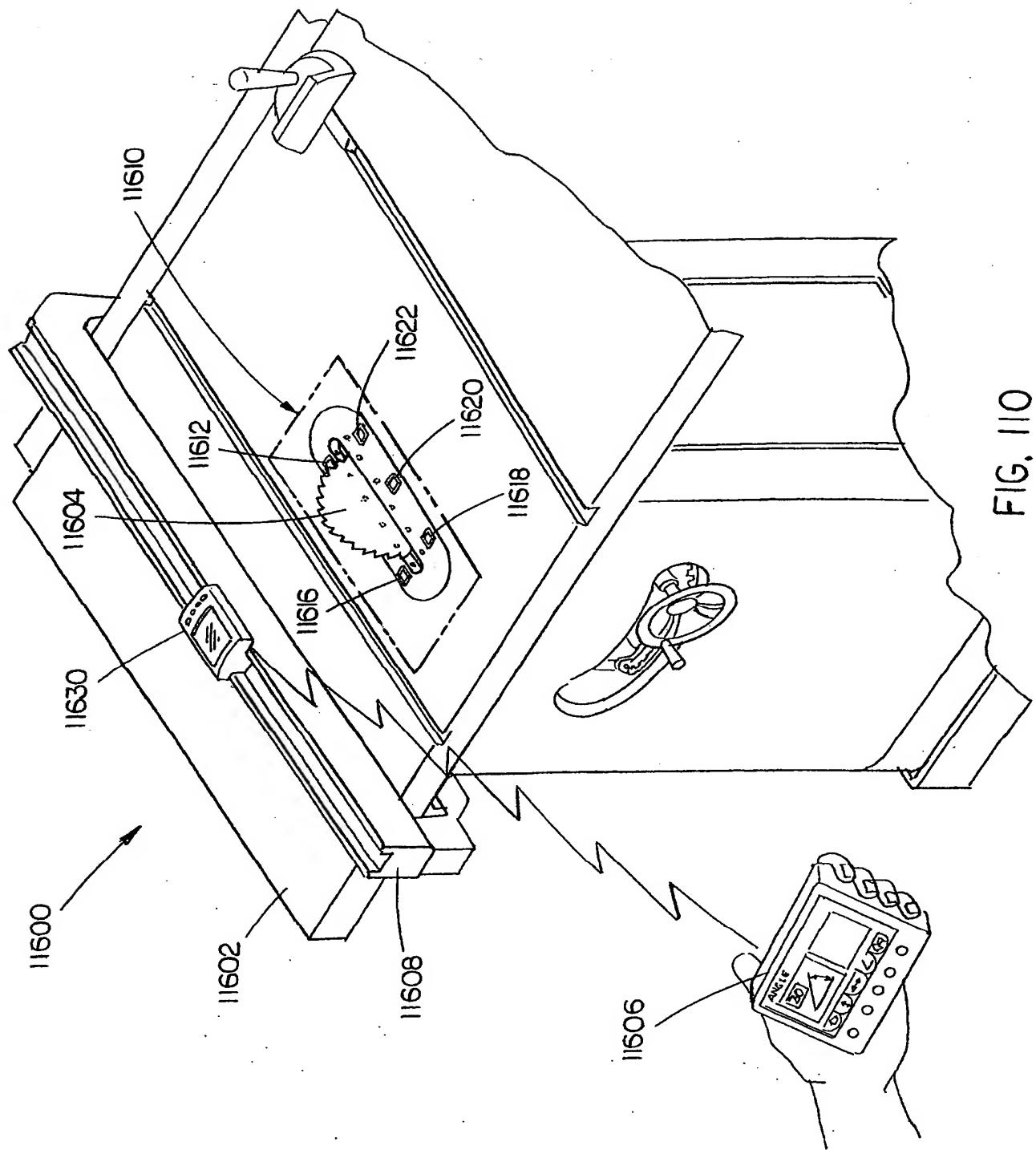


FIG. 110

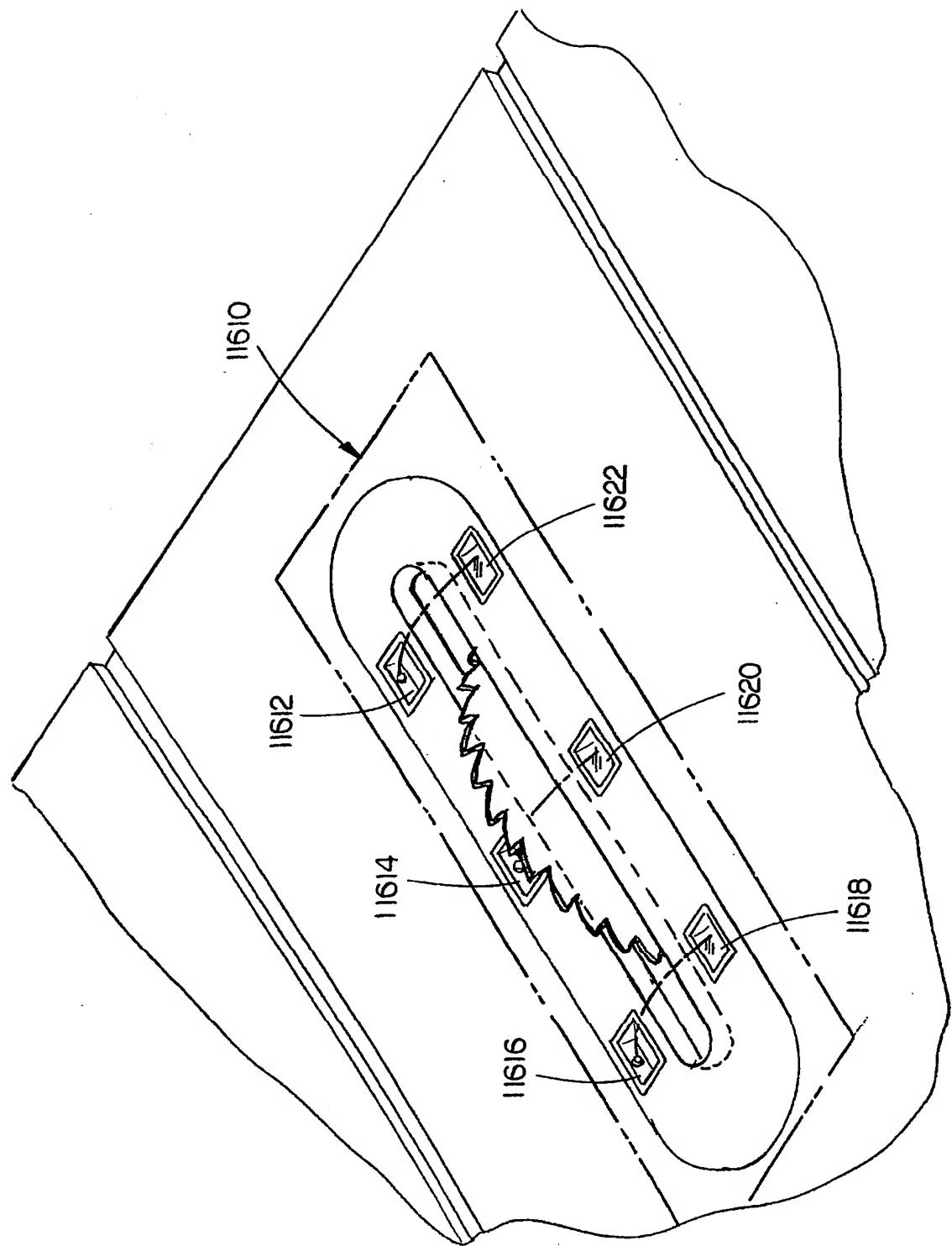


FIG. III

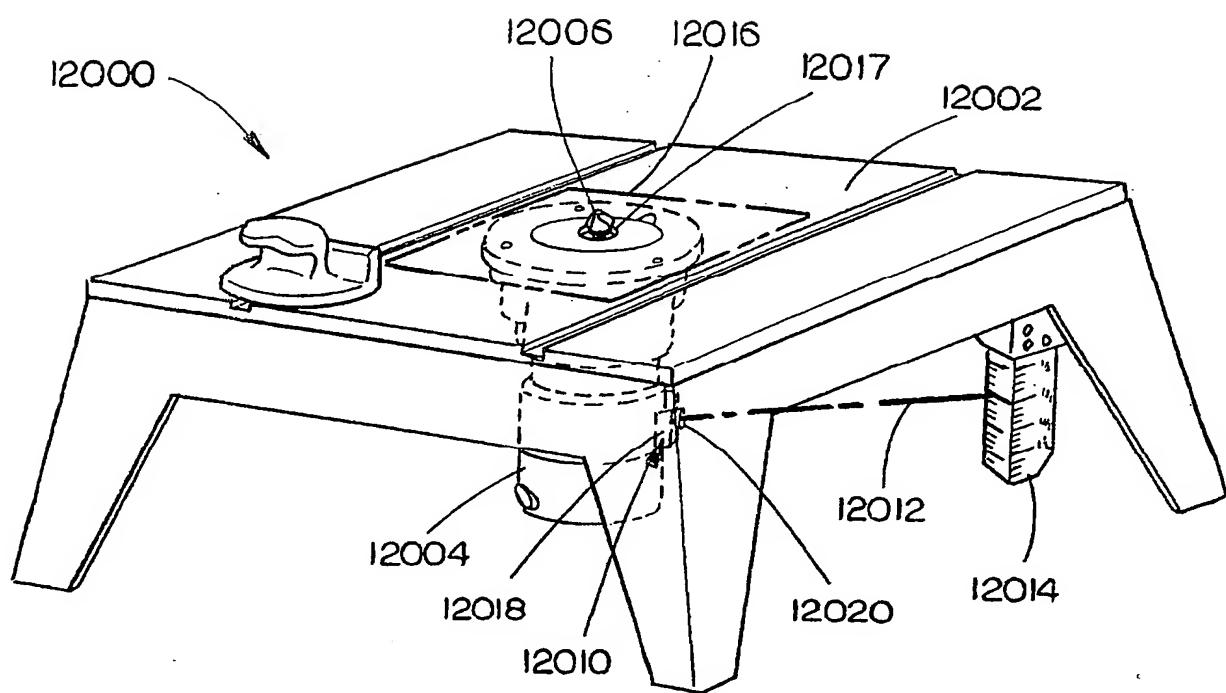


FIG. 112A

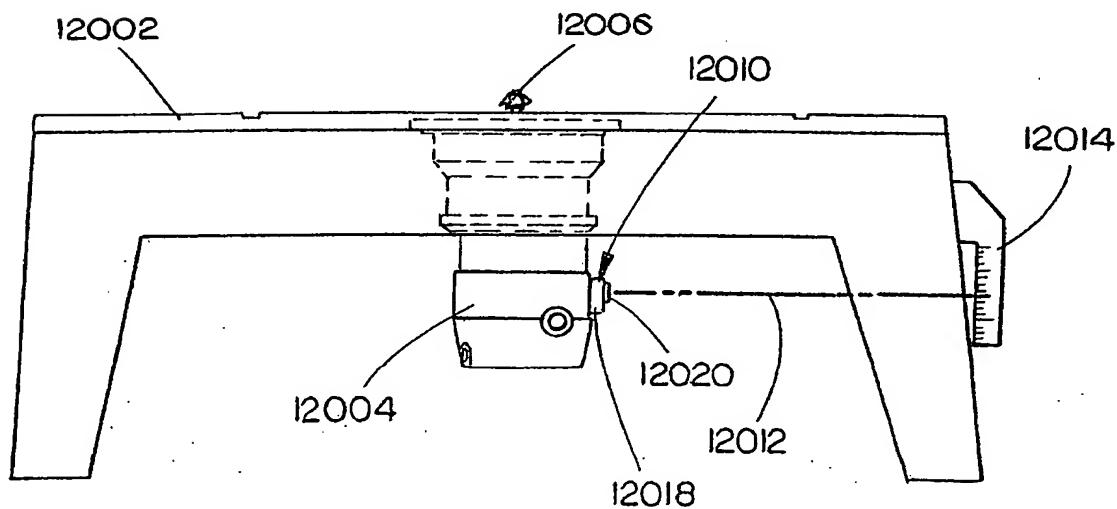


FIG. 112B

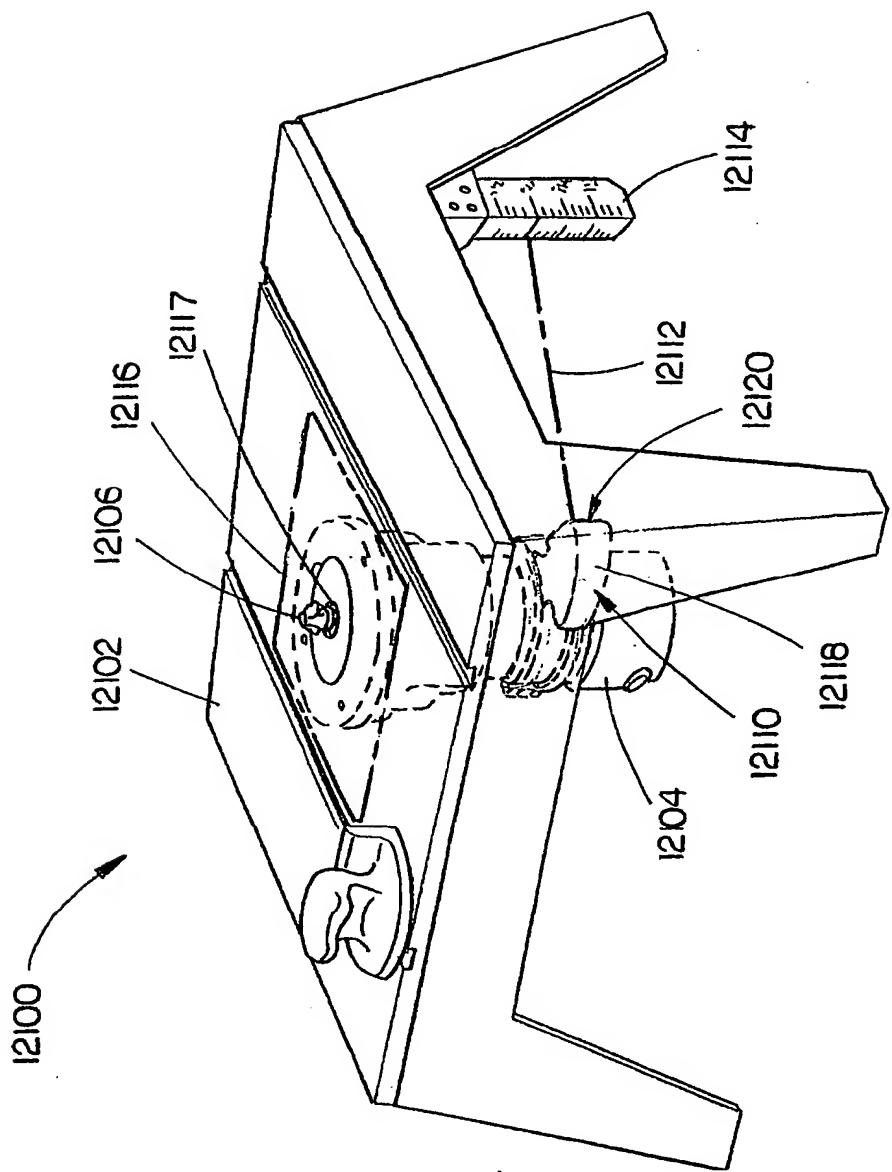


FIG. 113

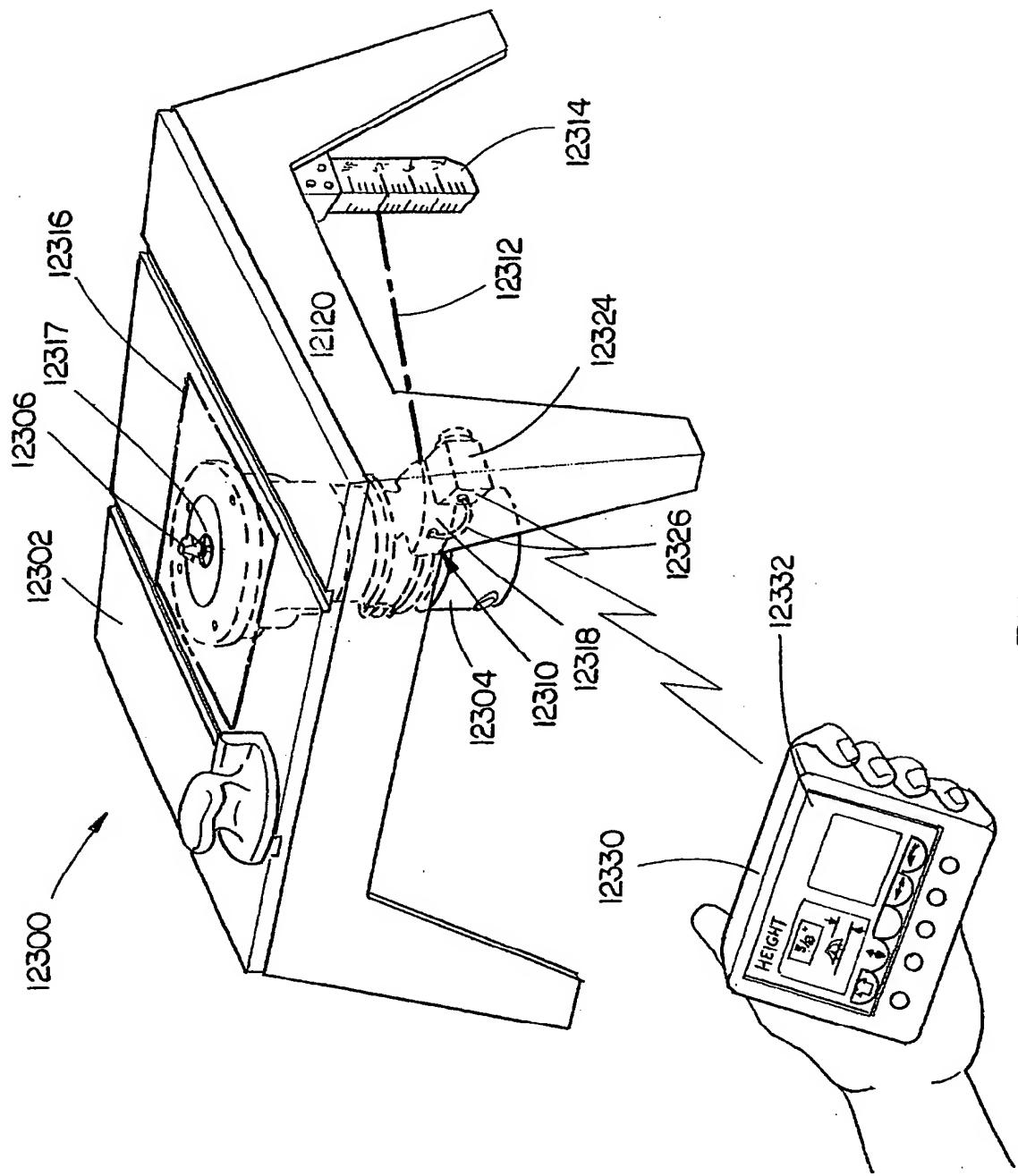


FIG. 14

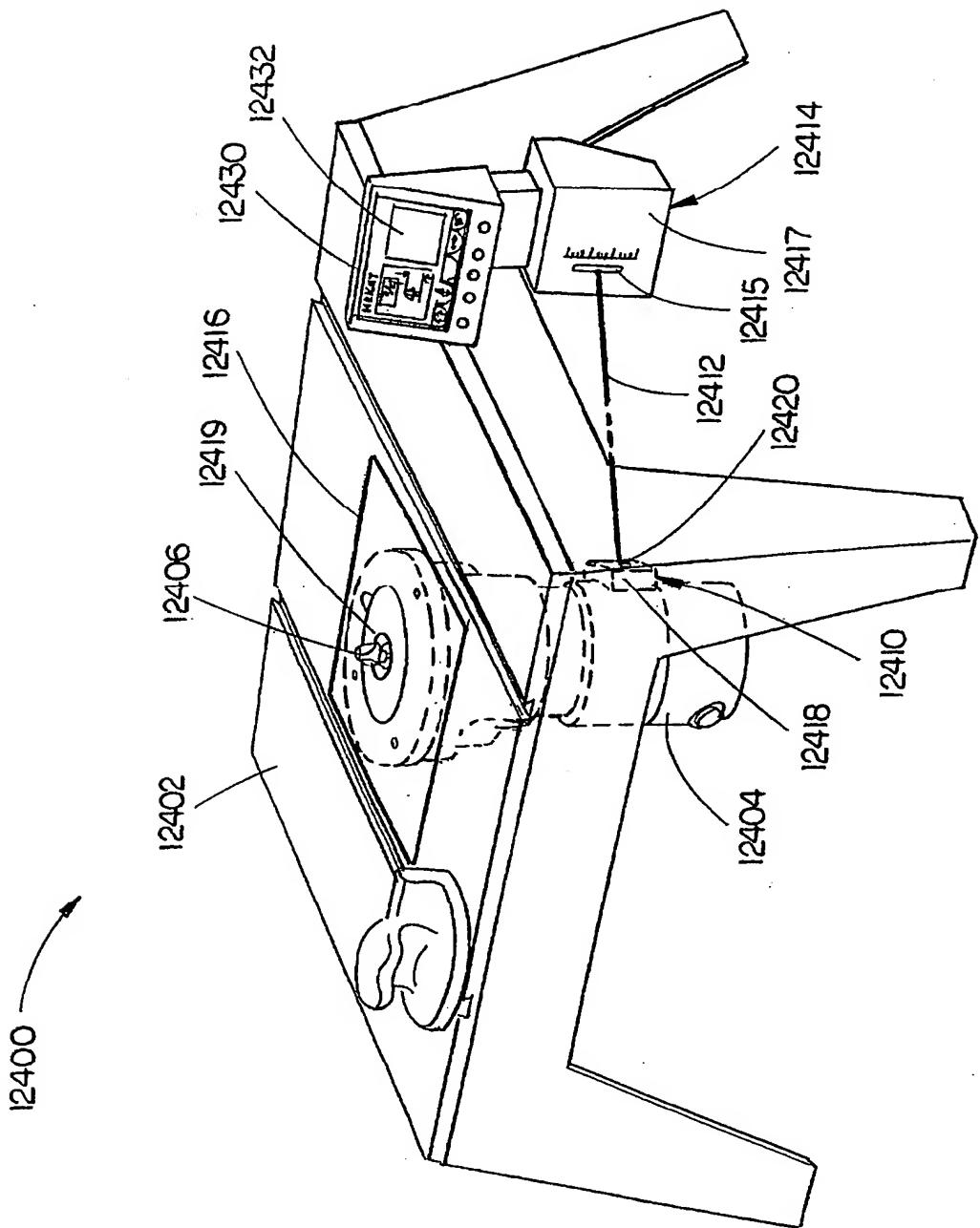


FIG. 115

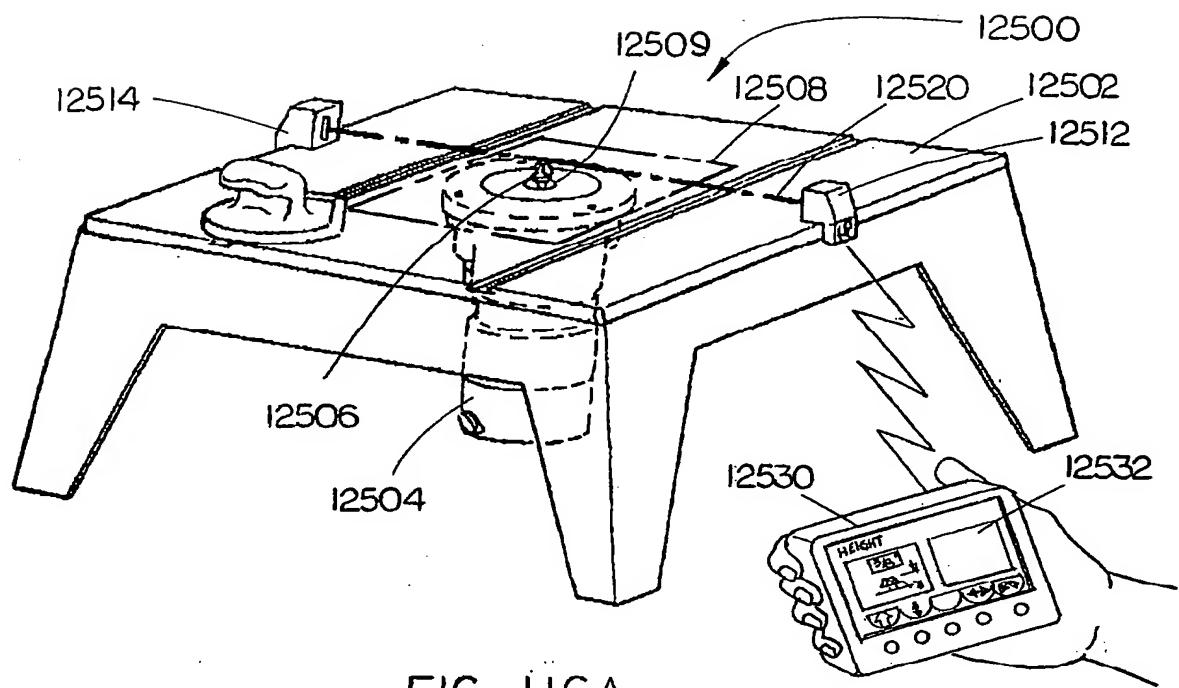


FIG. 116A

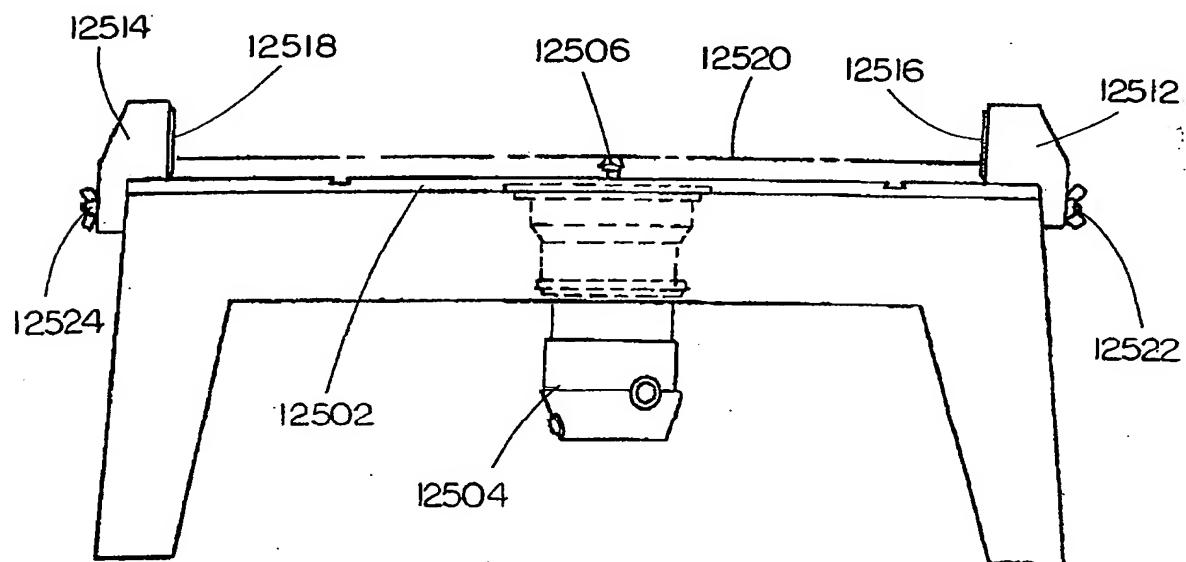


FIG. 116B

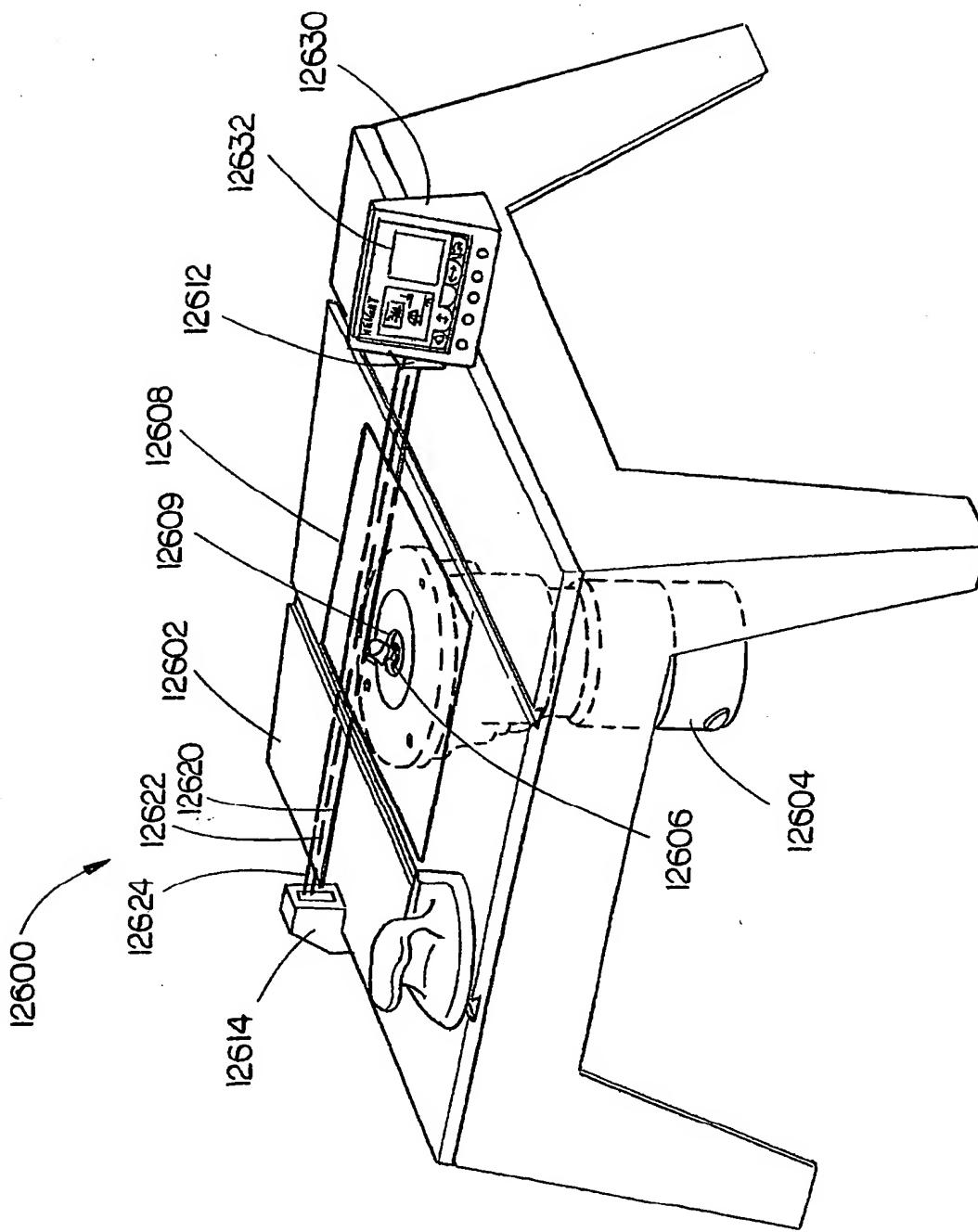
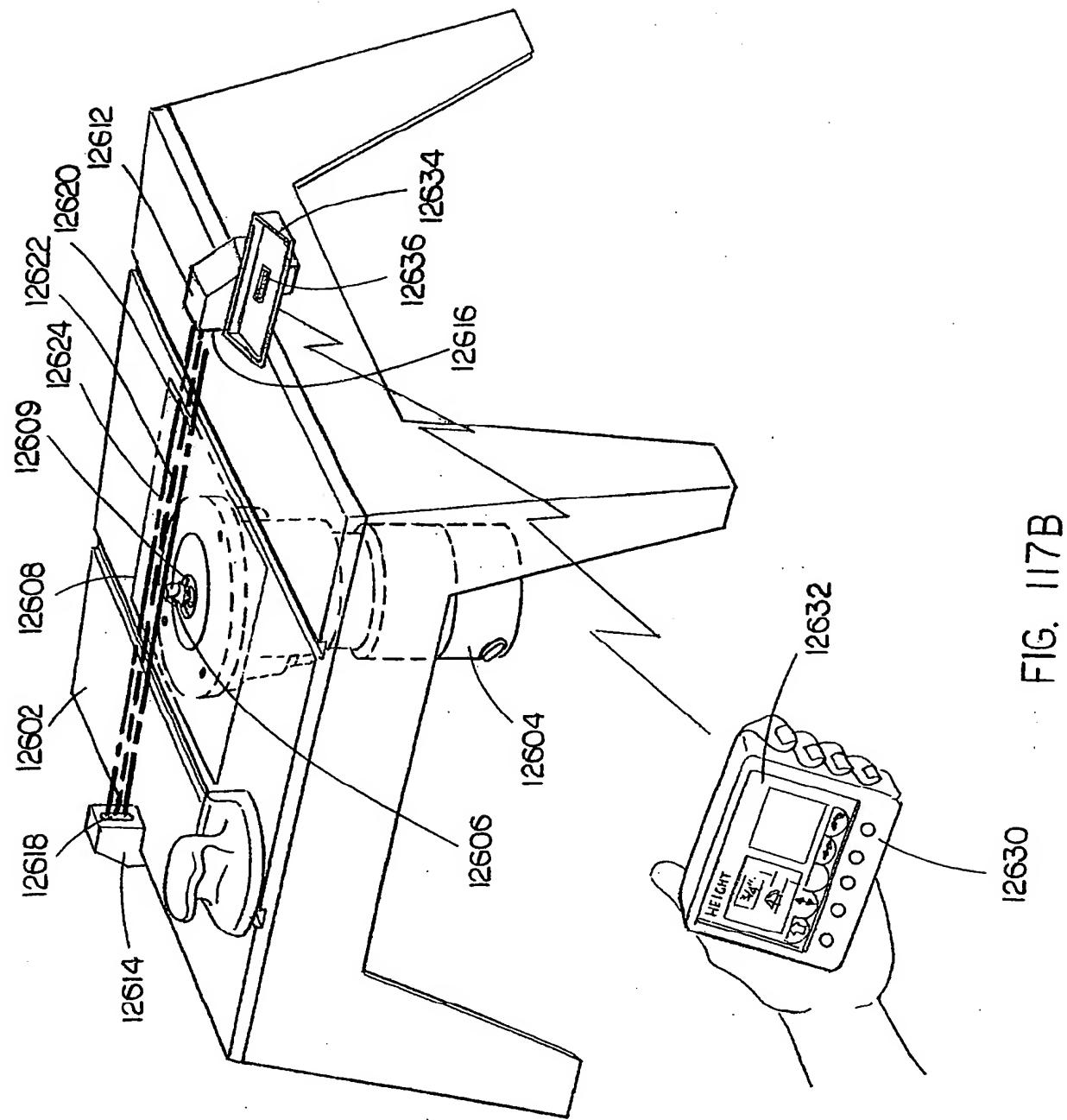


FIG. 117A



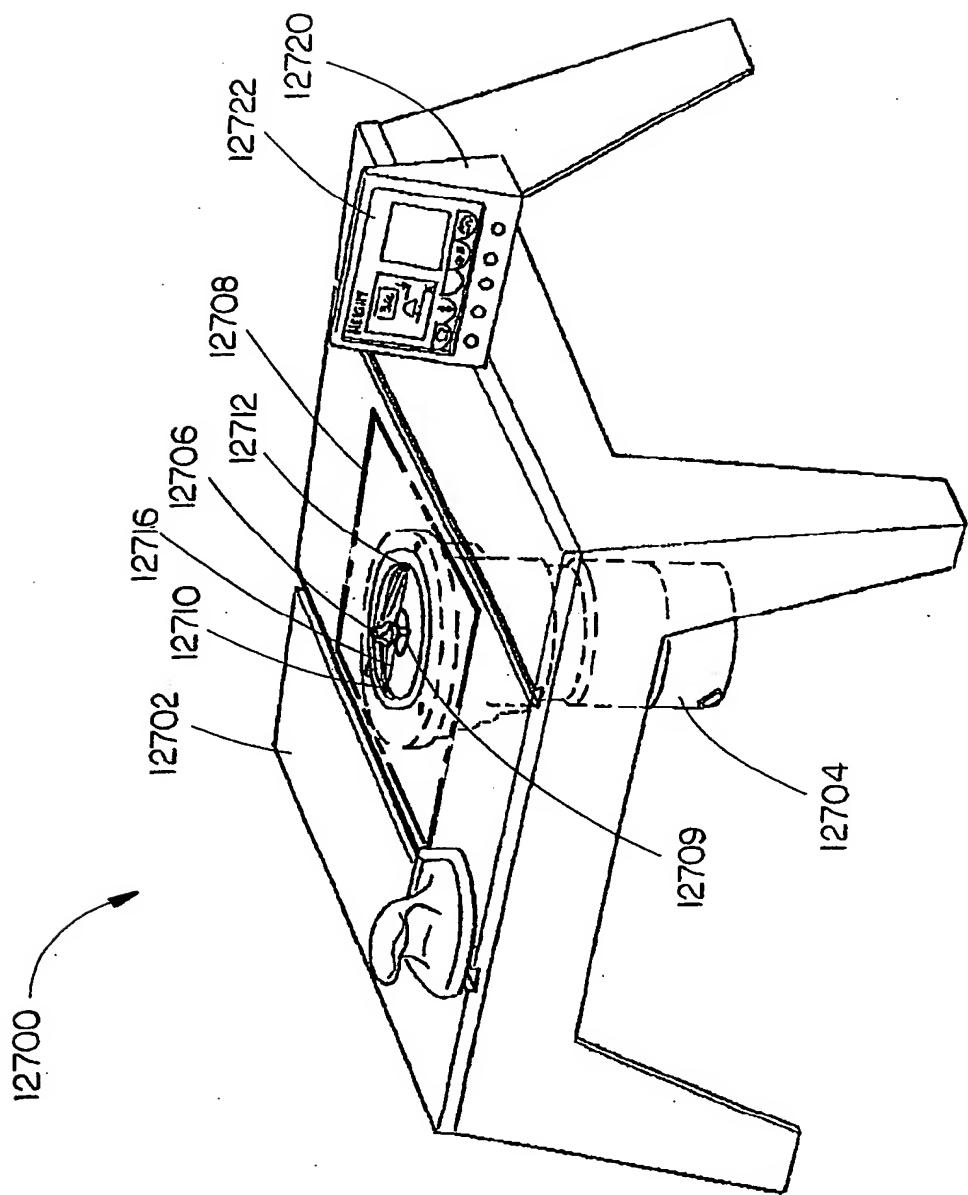
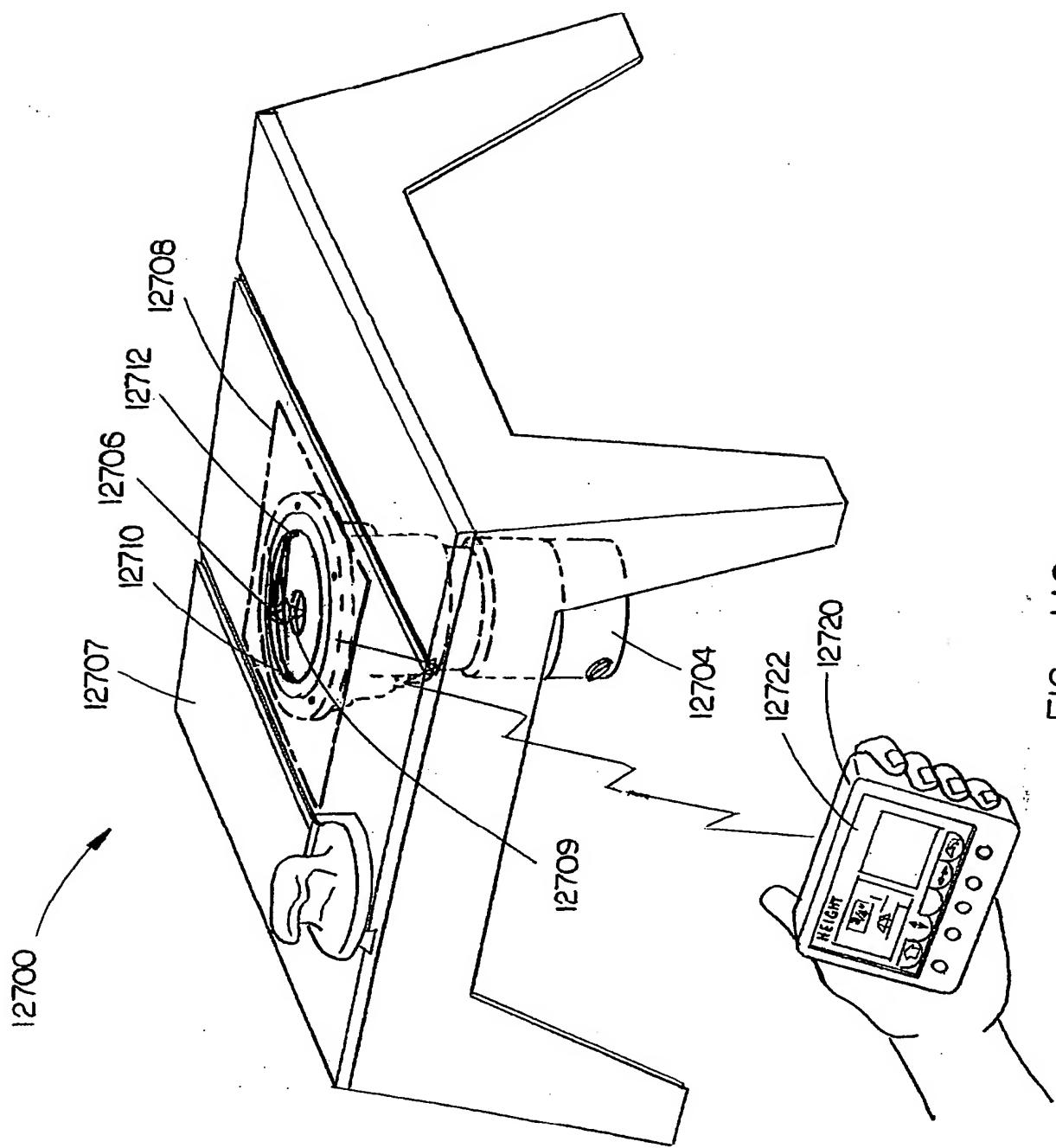


FIG. 118

FIG. 119



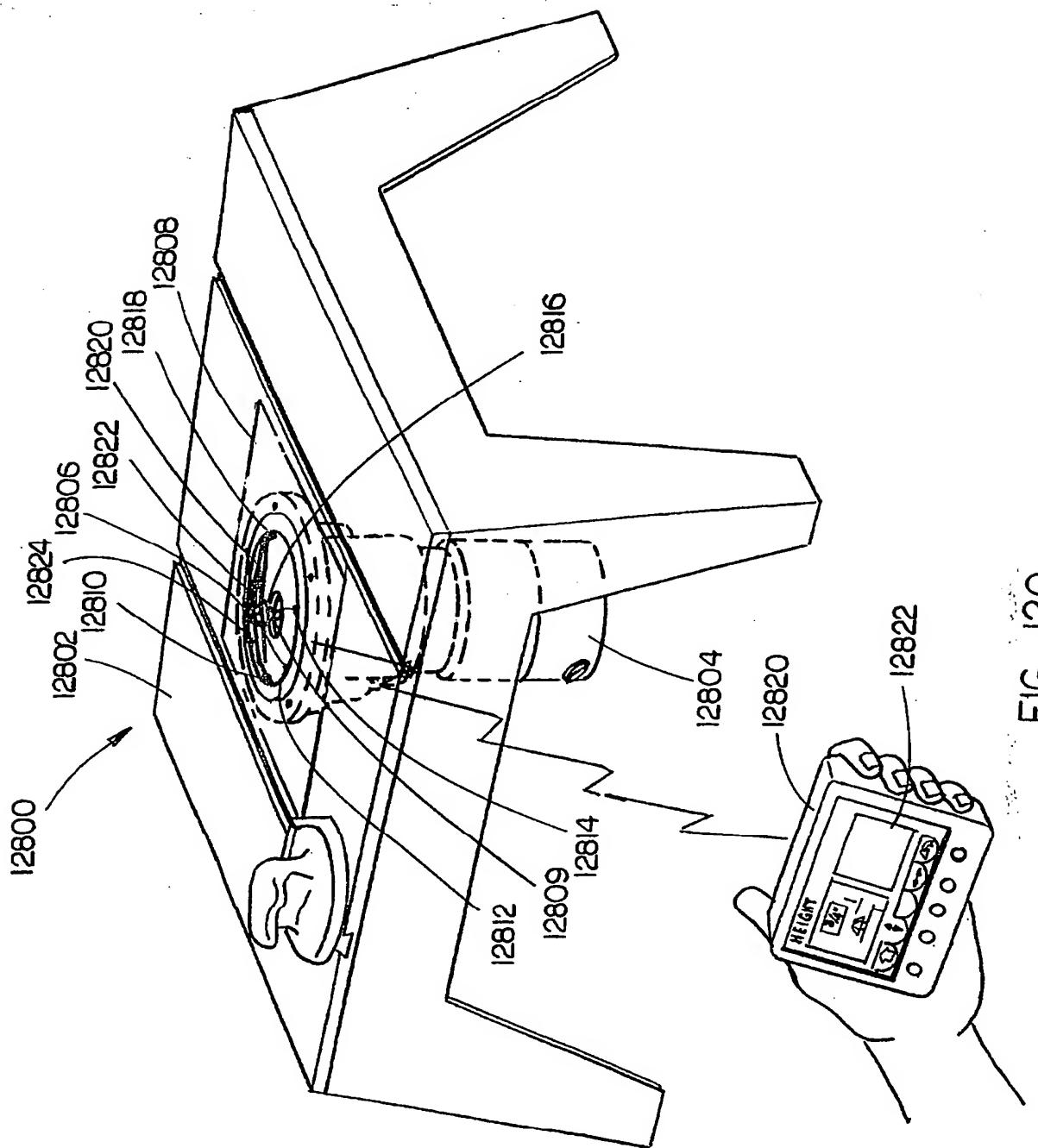
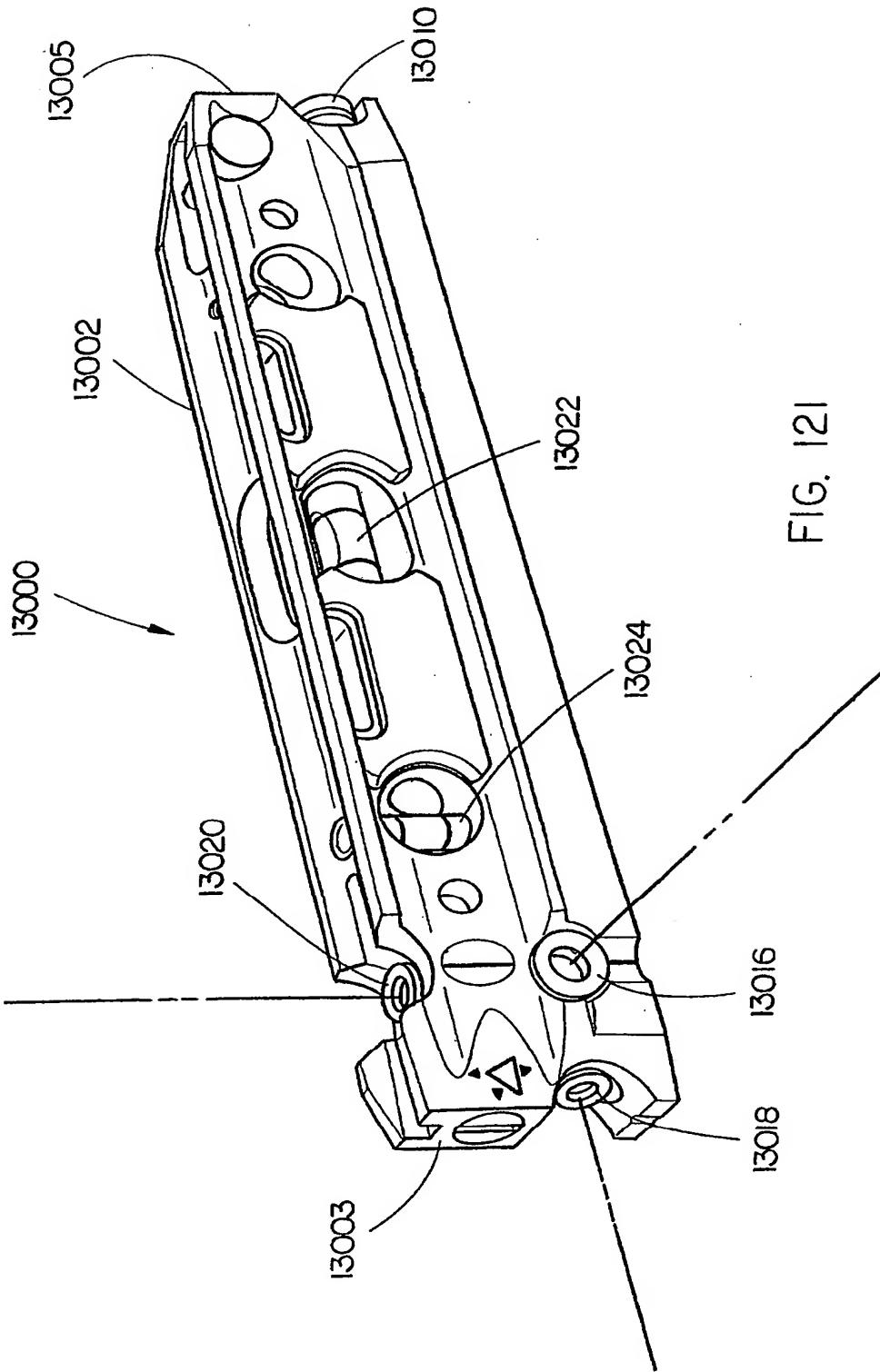


FIG. 120



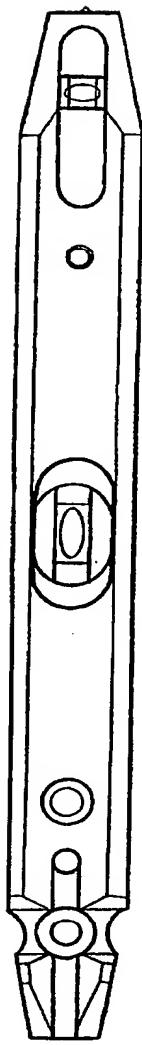


FIG. 122

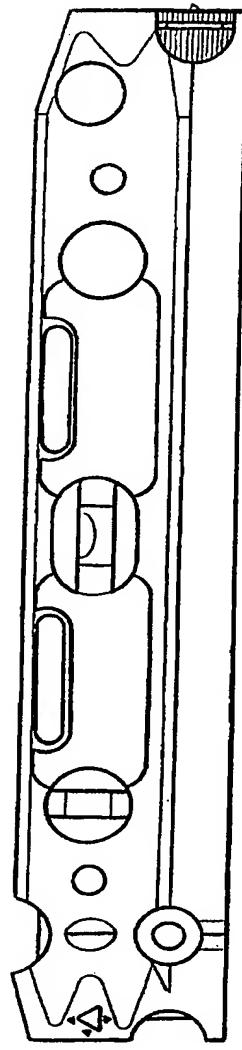


FIG. 124

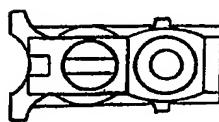
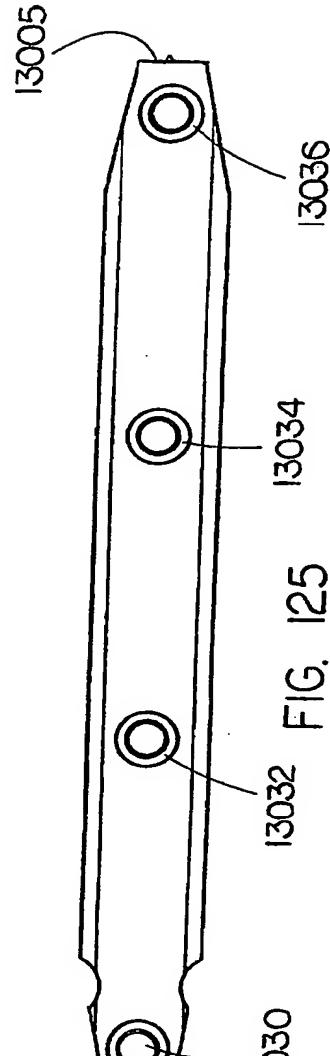
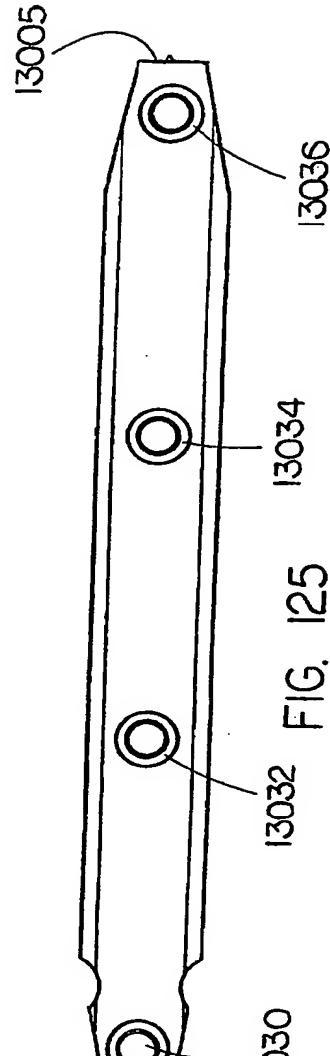
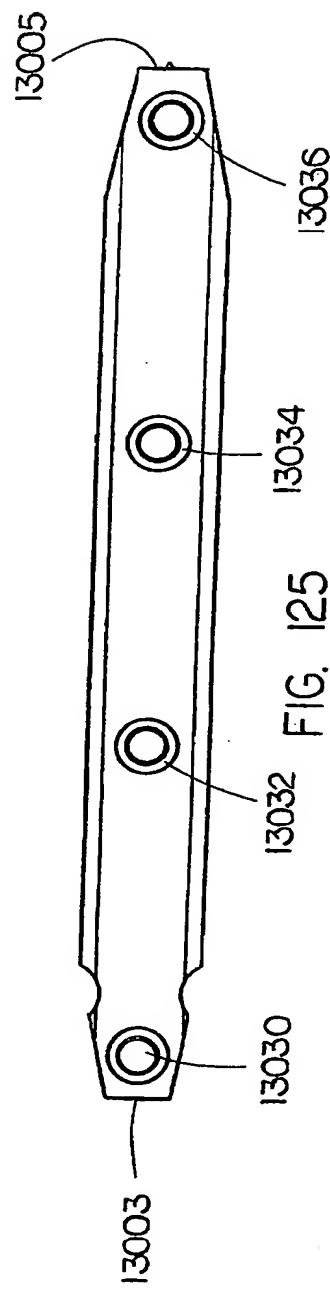


FIG. 123



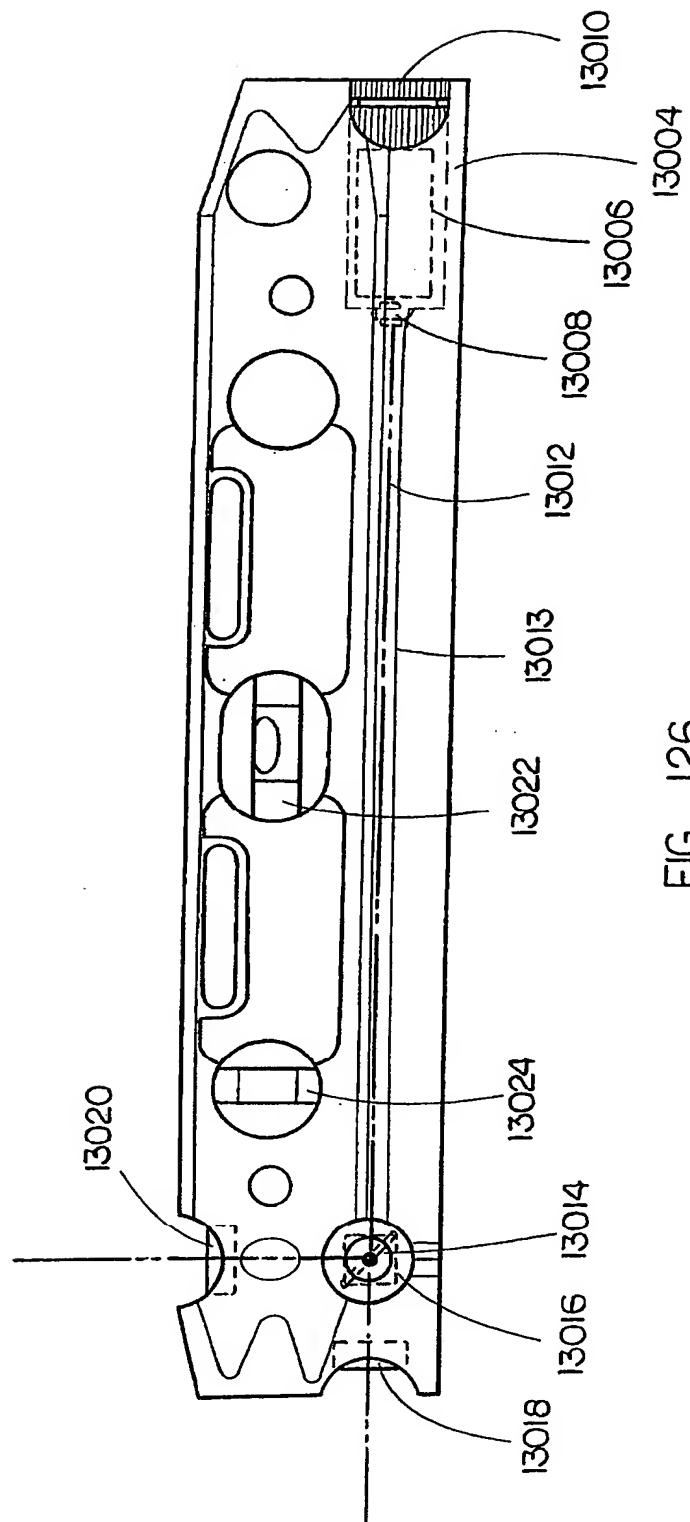


FIG. 126

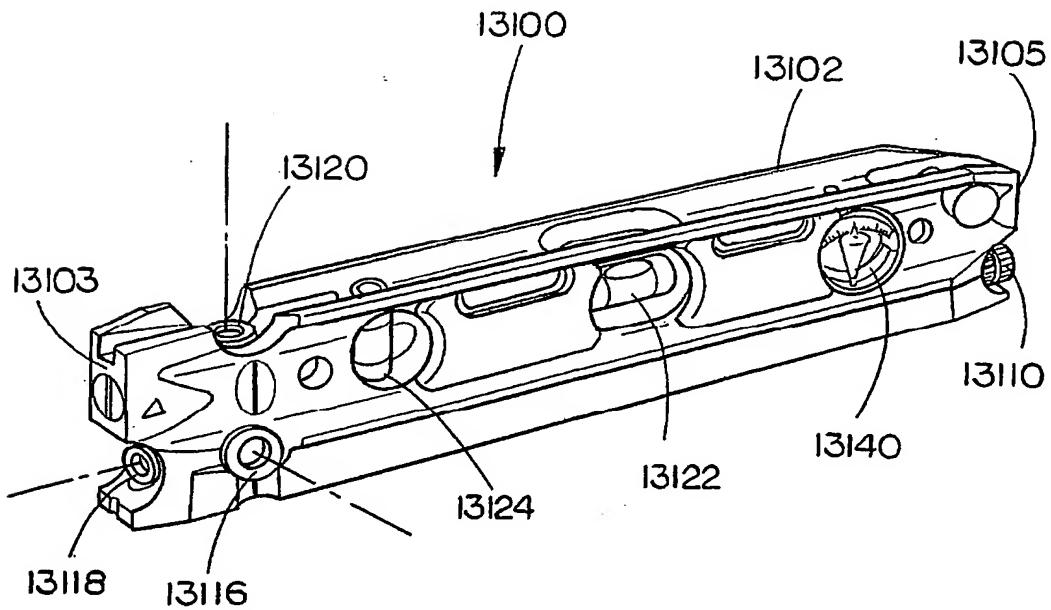


FIG. 127

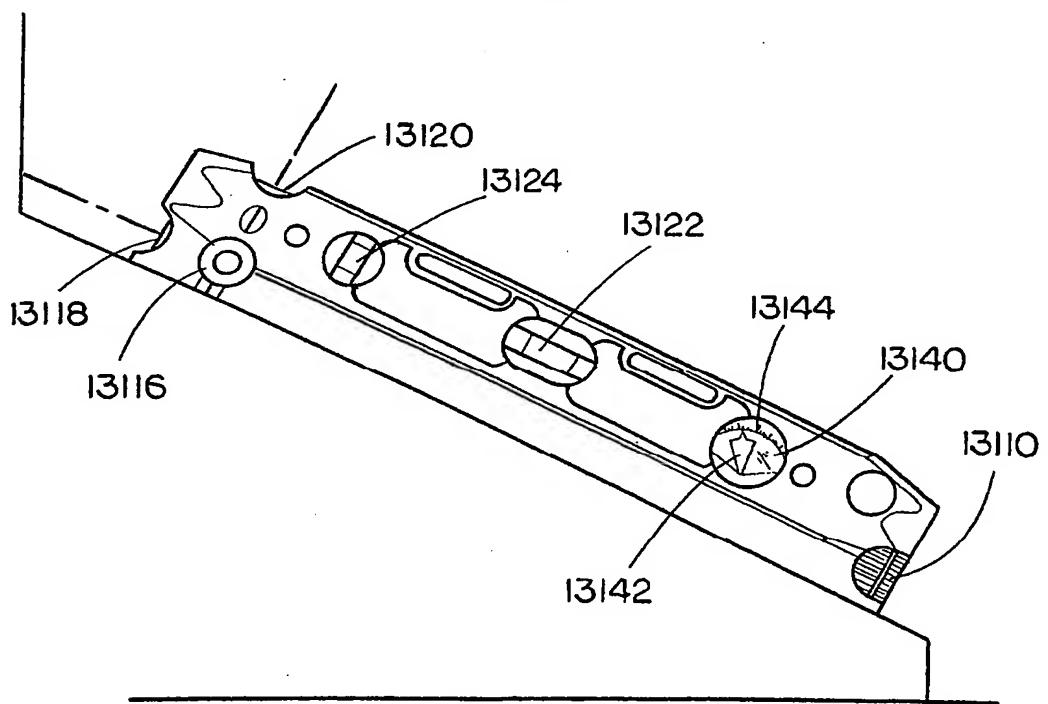
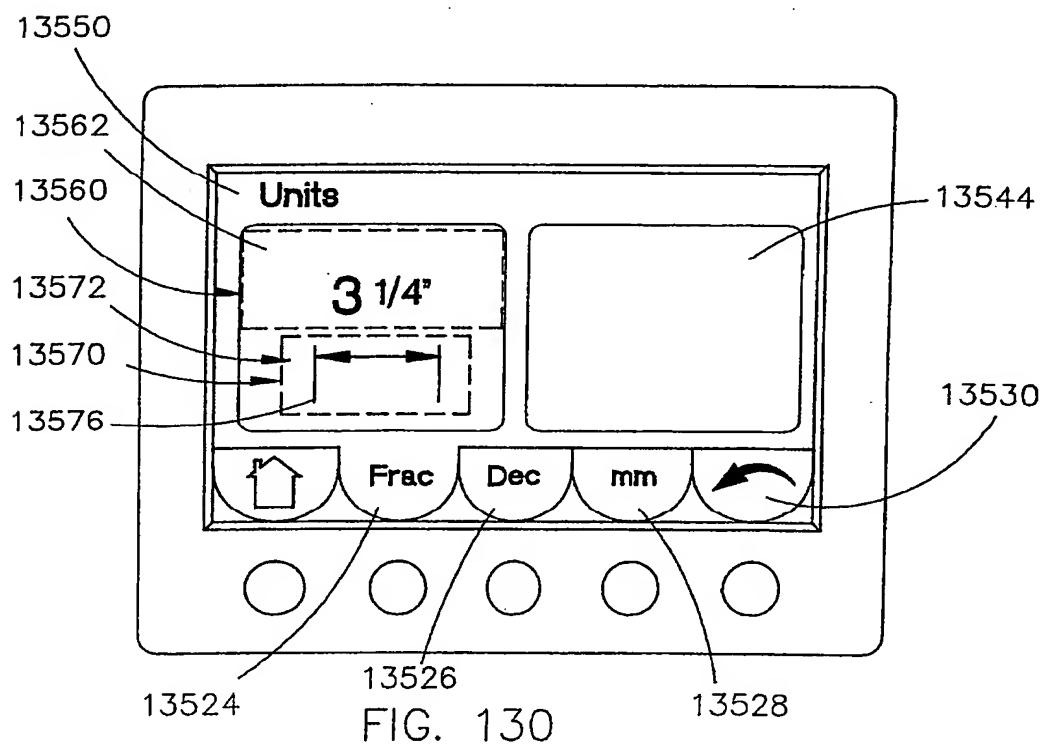
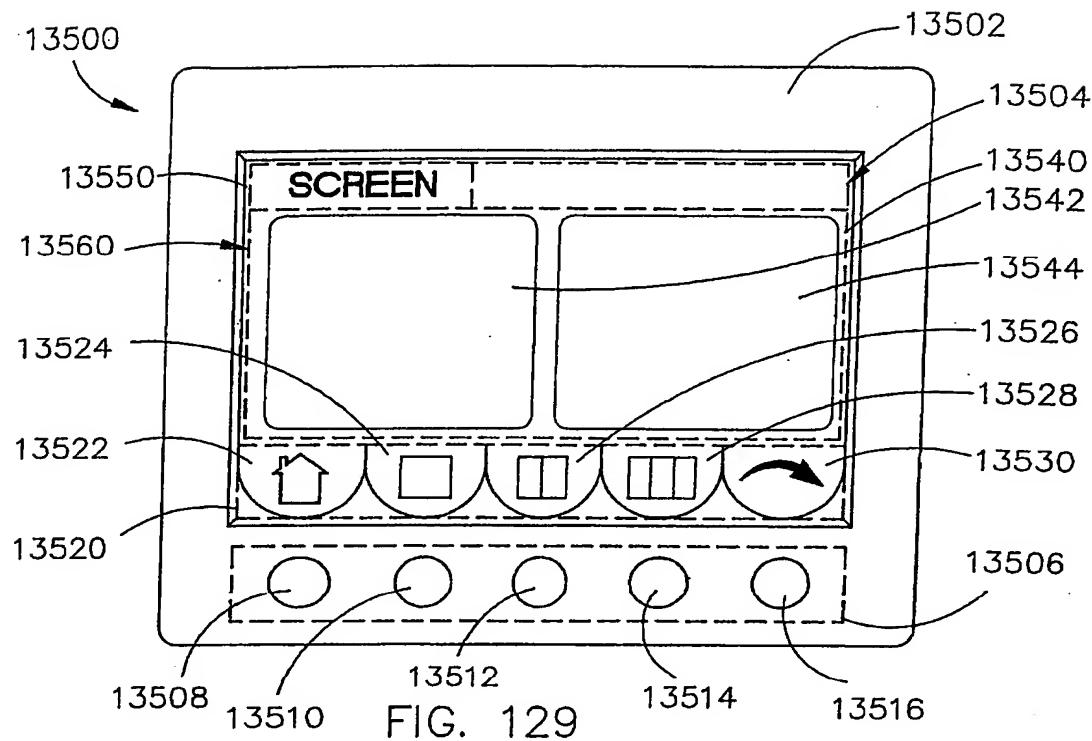
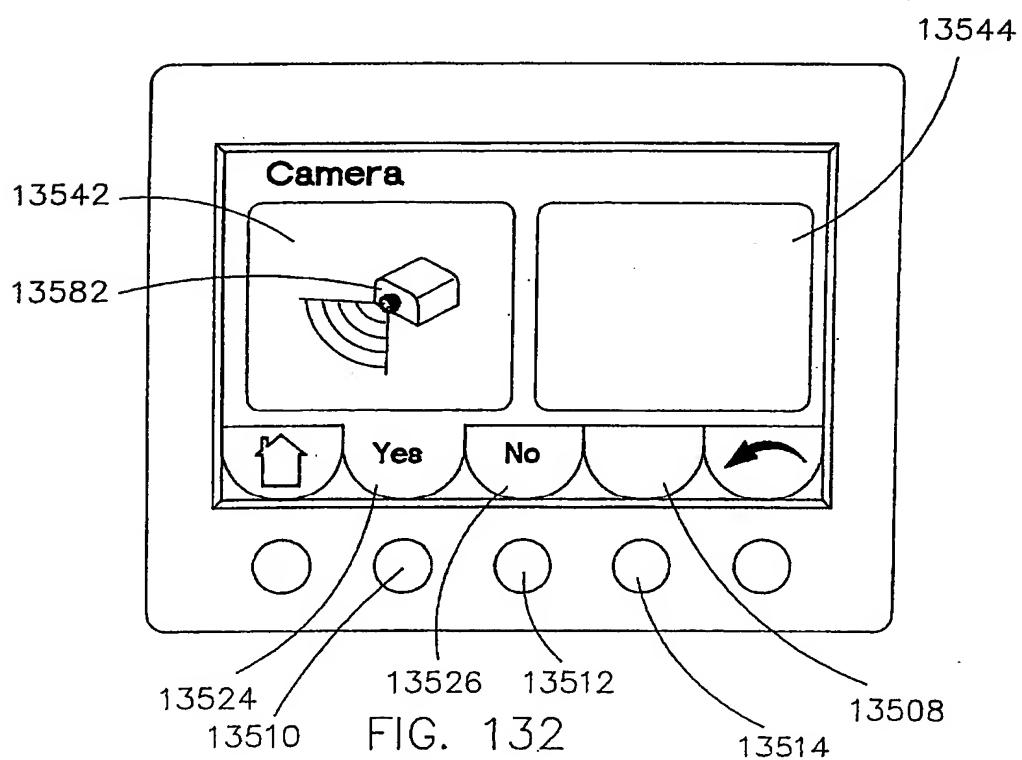
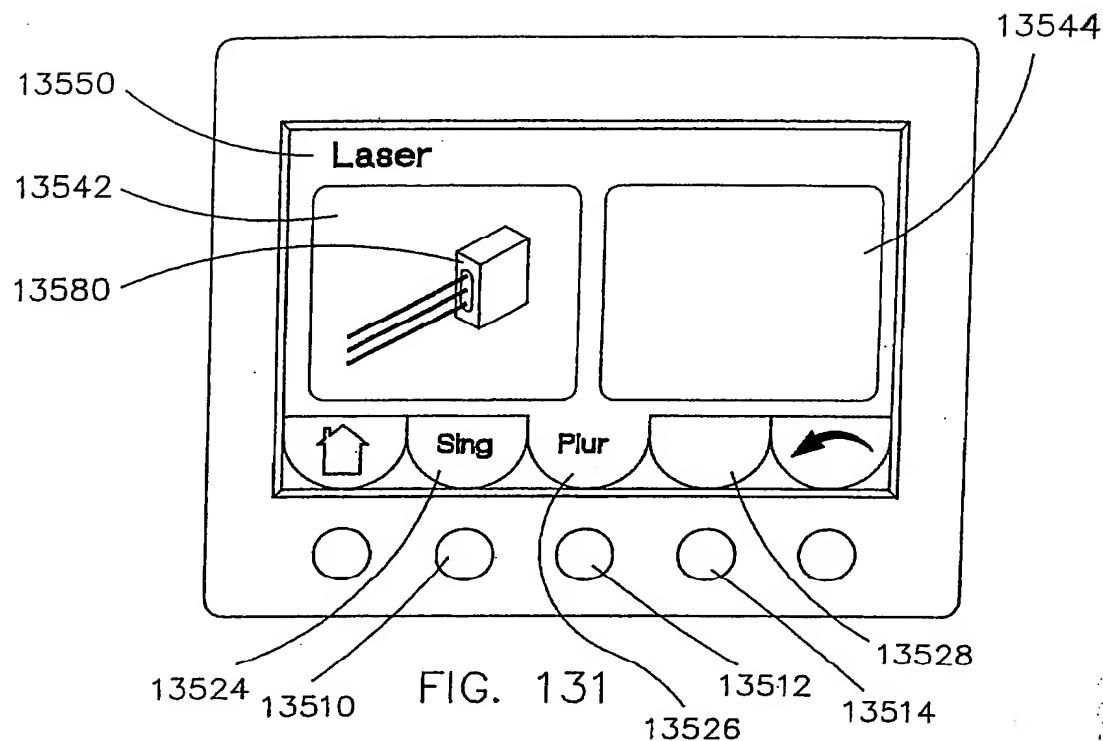
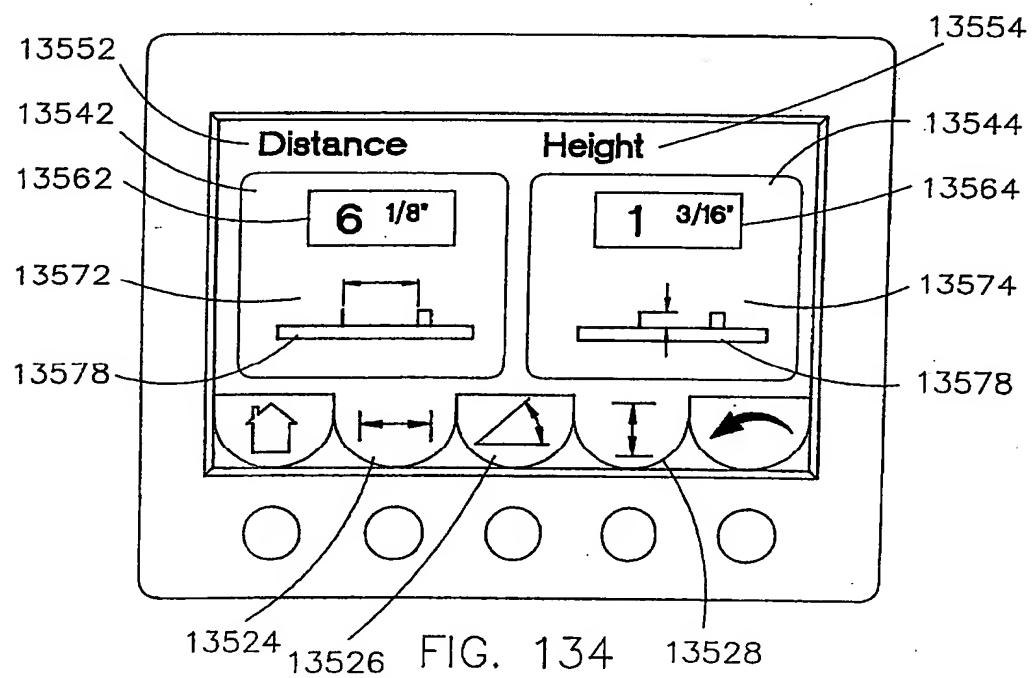
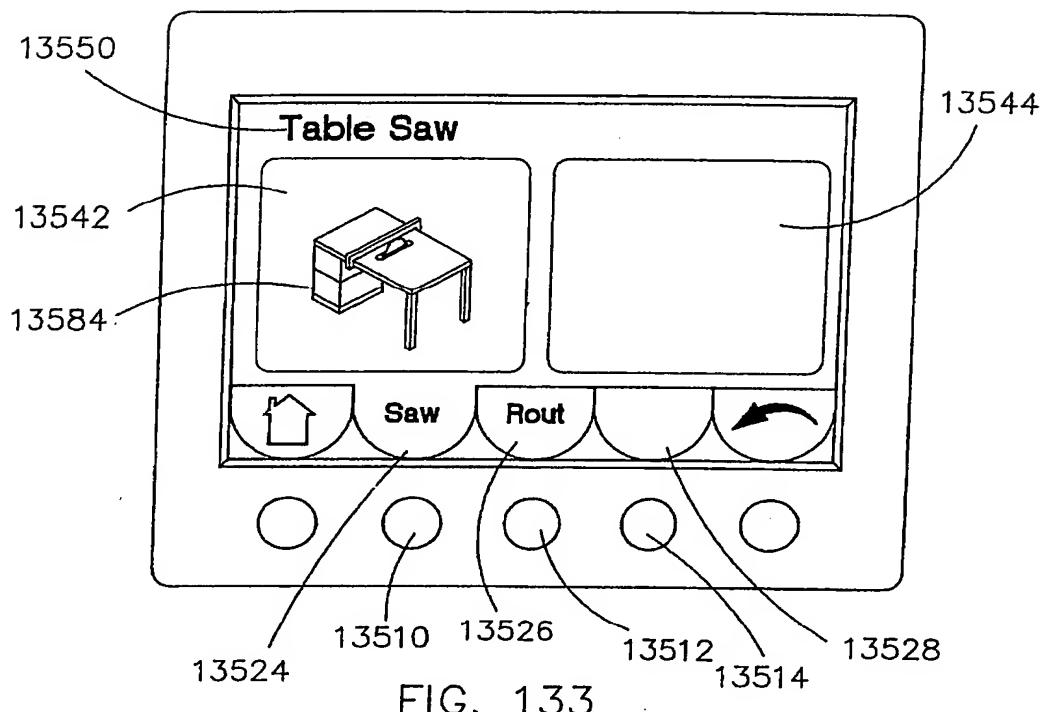
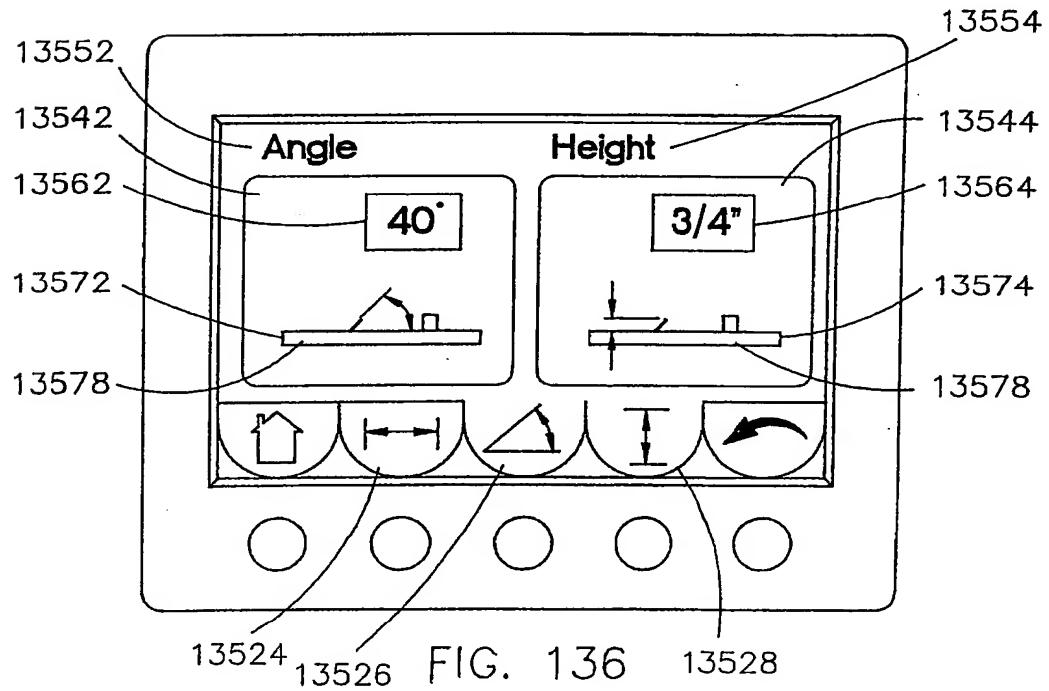
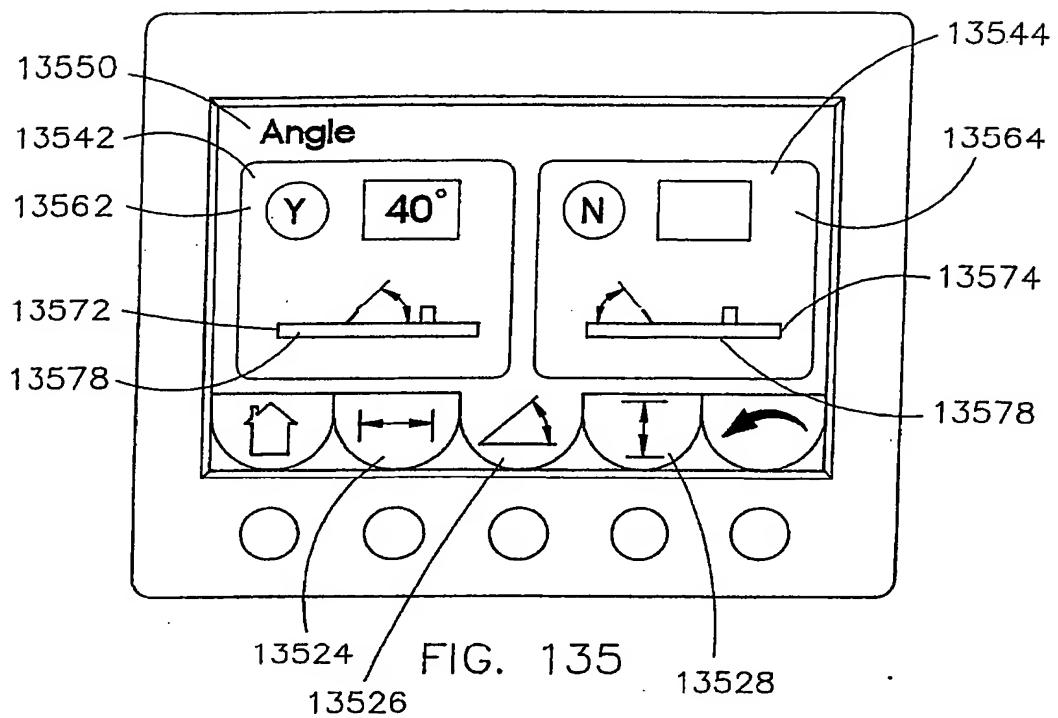


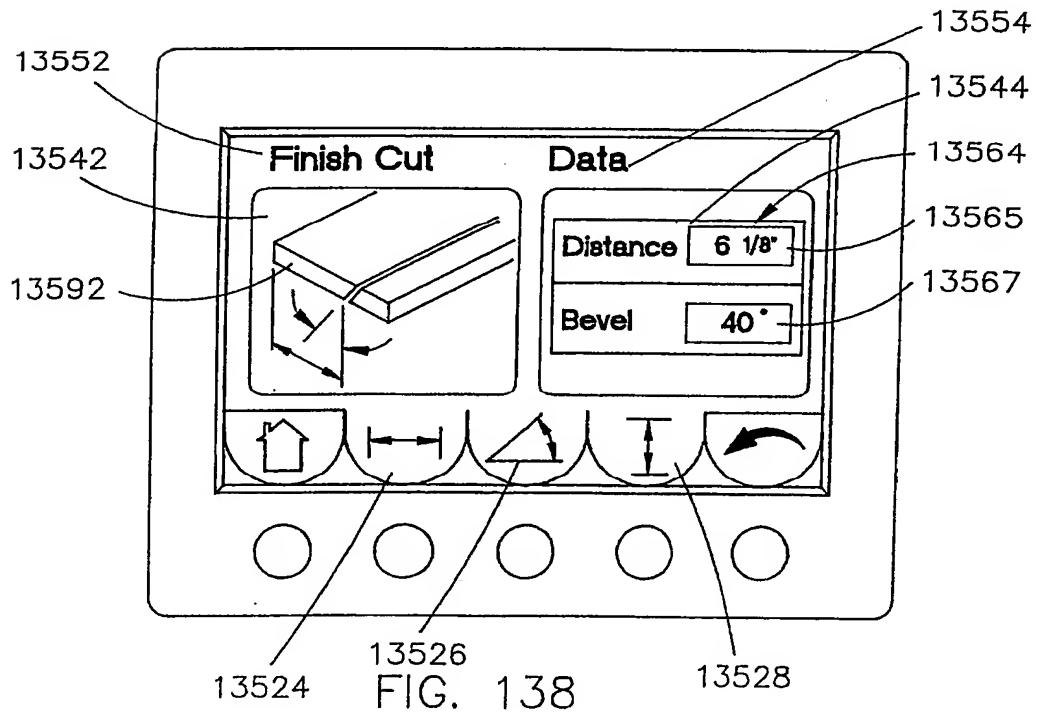
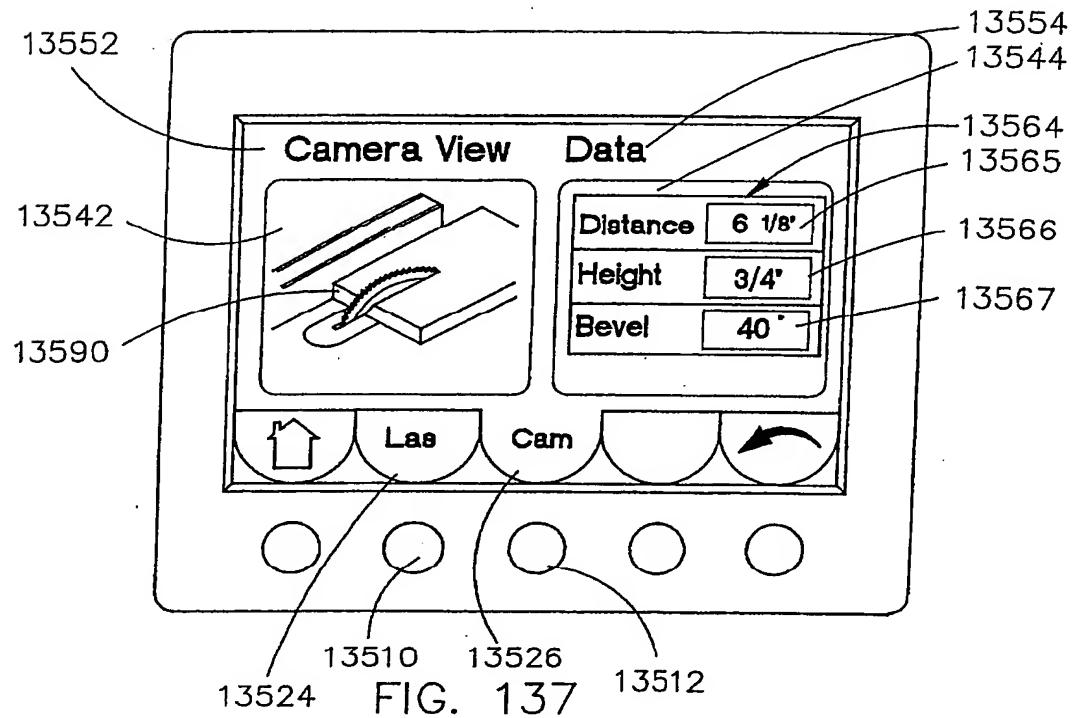
FIG. 128

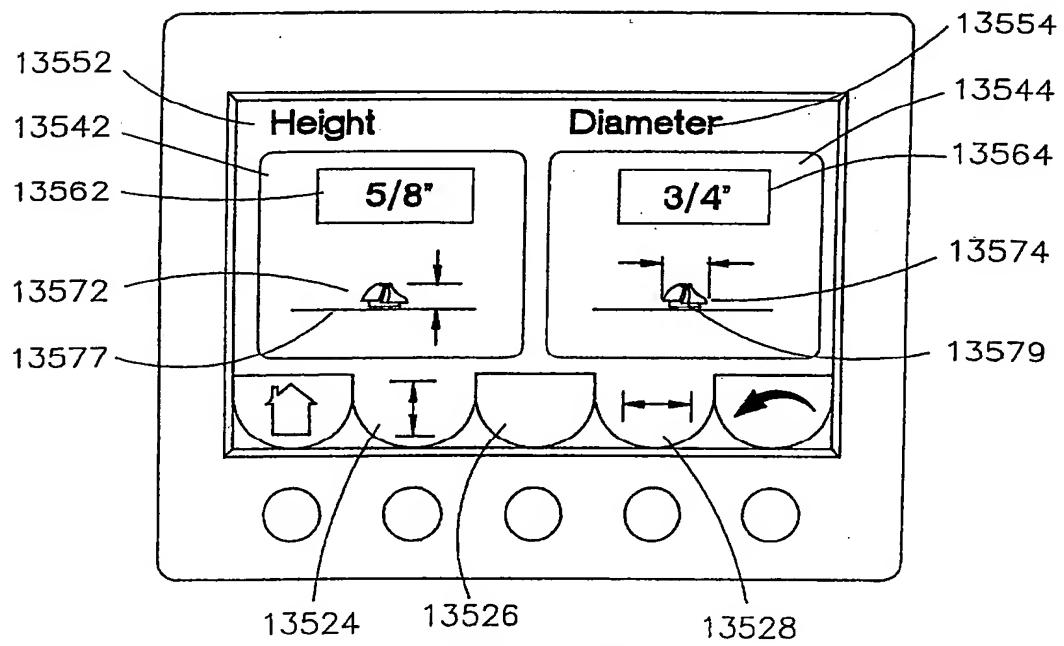
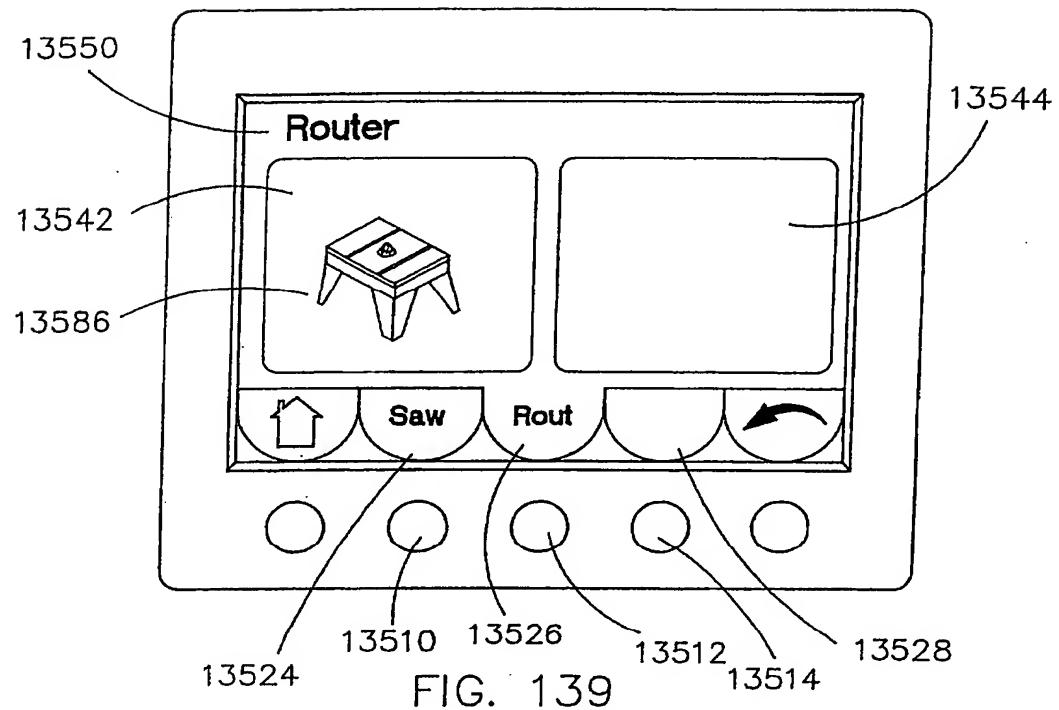












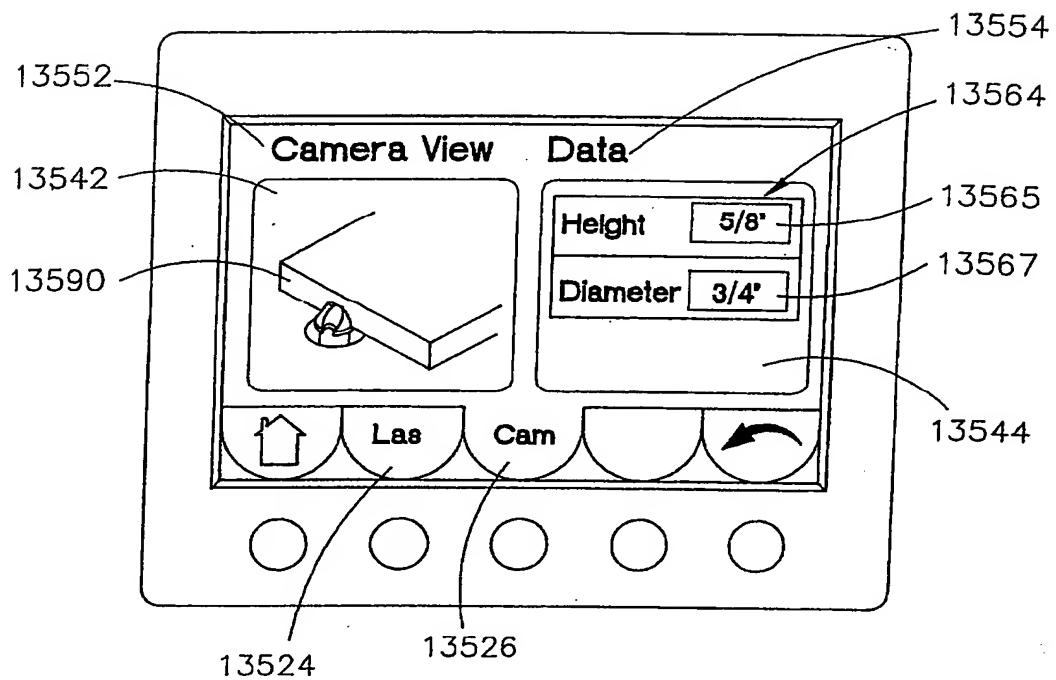


FIG. 141

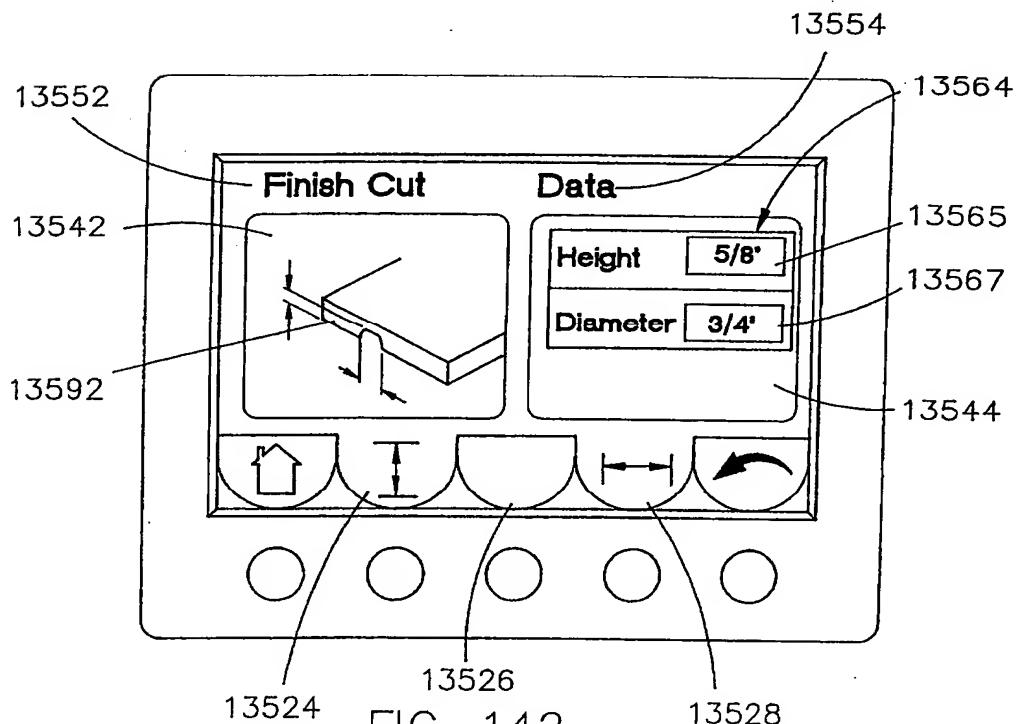


FIG. 142

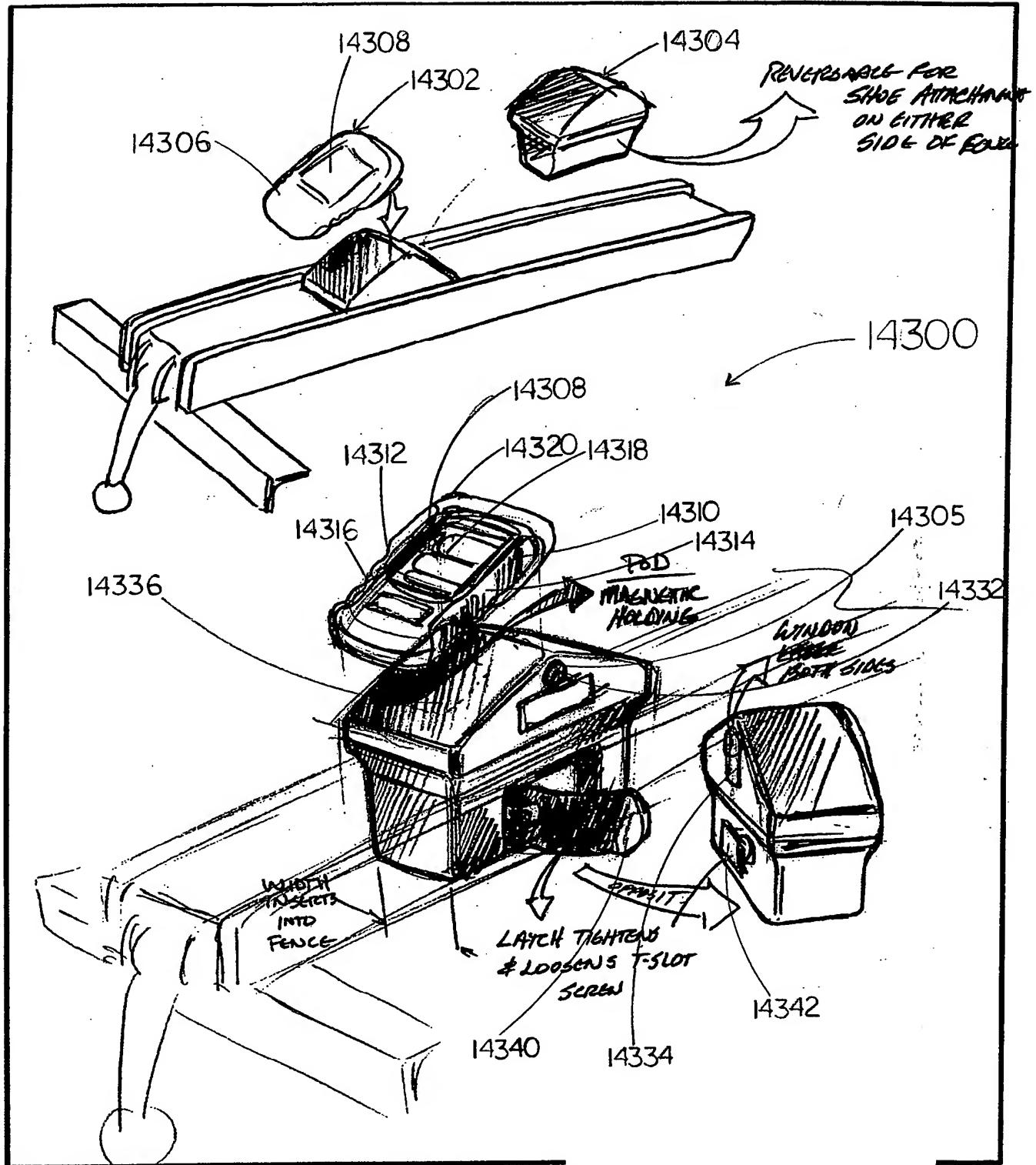


FIG. 143

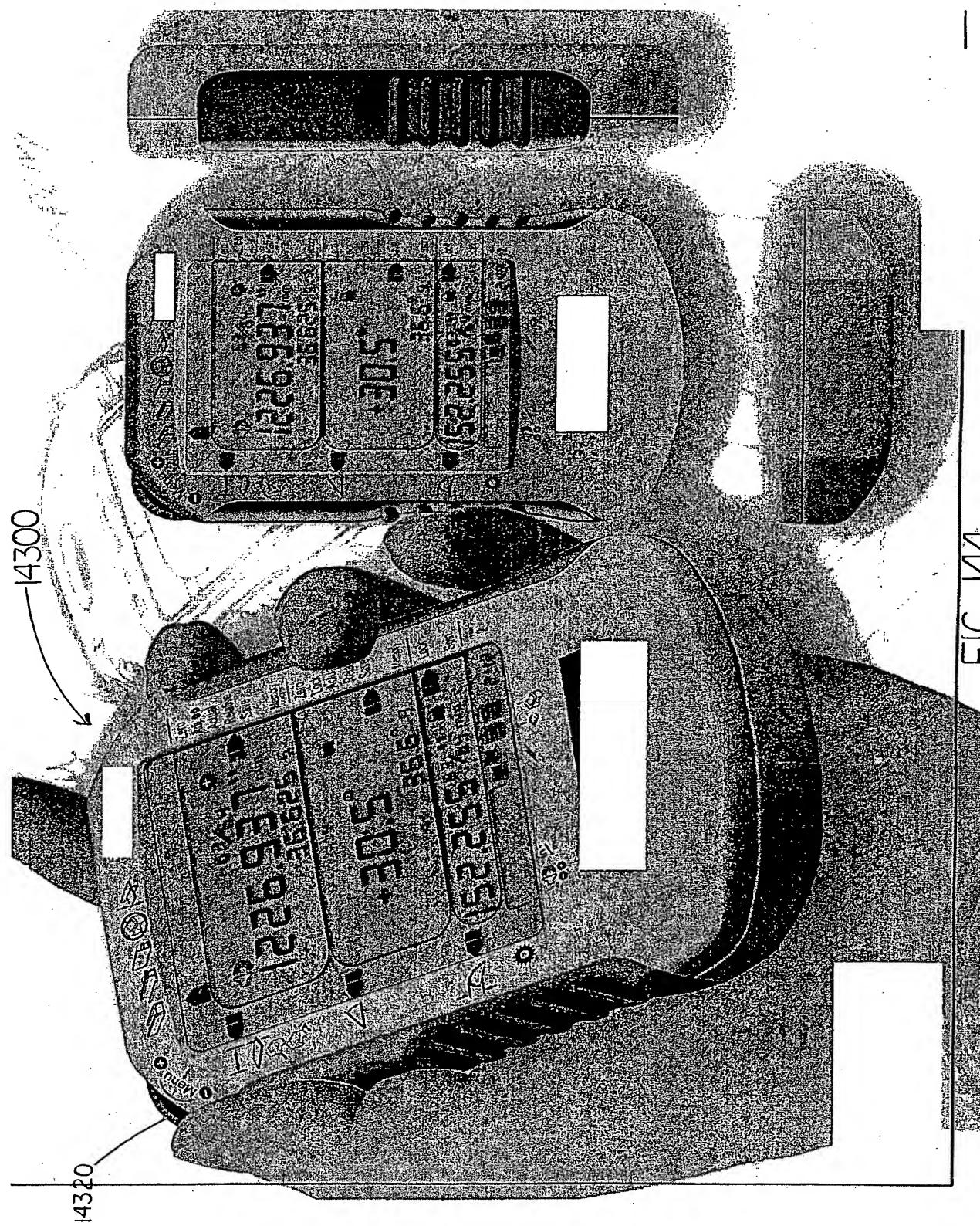


FIG. 14

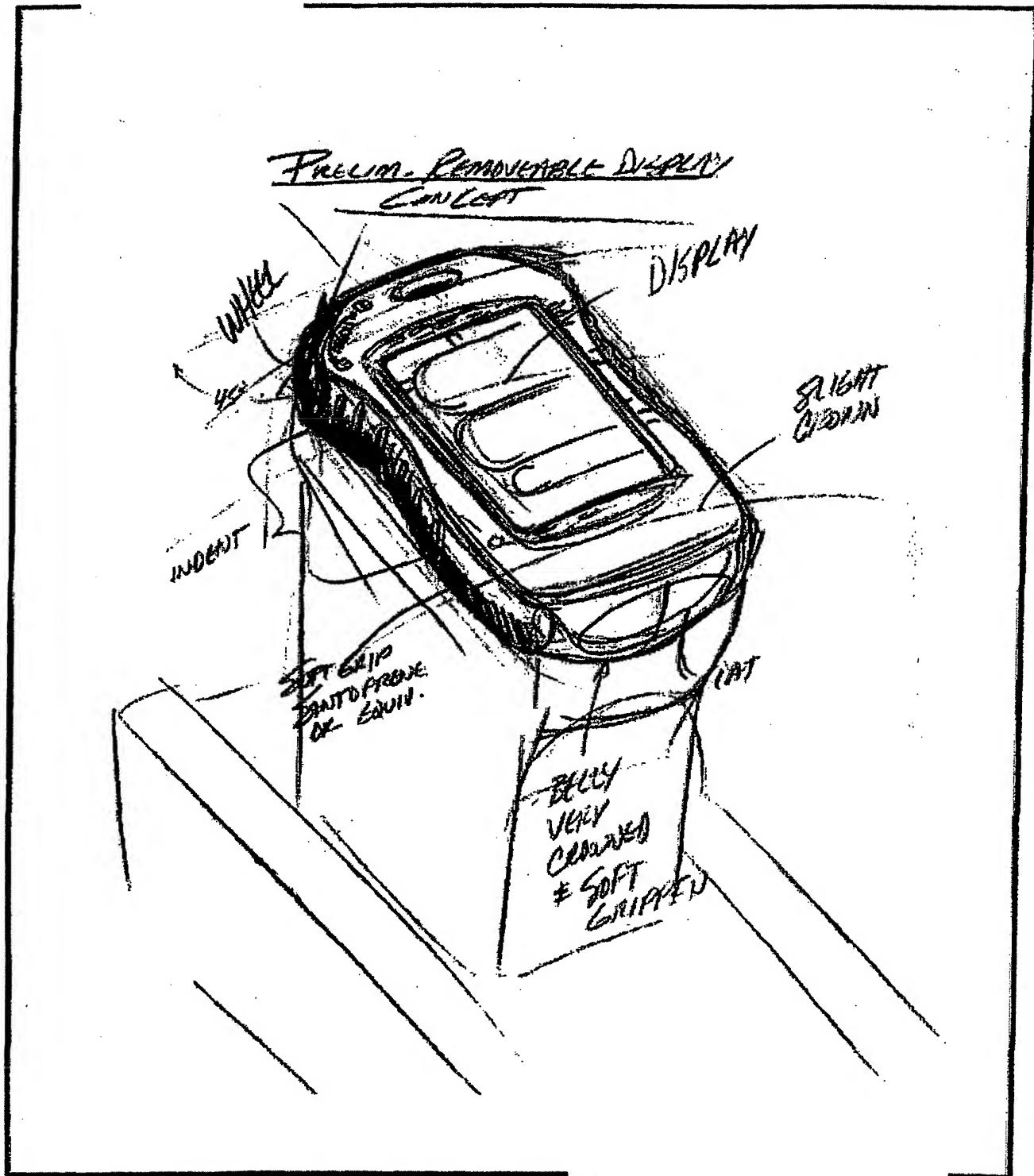


FIG. 145